

YESHIVA UNIVERSITY BULLETIN

YESHIVA
COLLEGE

CATALOG 1962/64

YESHIVA COLLEGE

AMSTERDAM AVENUE AND 186TH STREET, NEW YORK 33, N. Y.

CATALOG
1962/64

The statements contained in this Catalog are subject to change without notice. This Catalog pertains only to Yeshiva College. For general information on Yeshiva University, consult the Bulletin of General Information, which may be obtained from the Director of Admissions.

CONTENTS

| | | | |
|----|-----------------------------------|-----|--------------------------------|
| 4 | Where to Secure Information | 30 | Academic Regulations |
| 5 | Academic Calendar | 37 | Student Welfare and Activities |
| 7 | Board of Trustees | 40 | Admission |
| 8 | University Administration | 45 | Student Finances |
| 9 | Administration of Yeshiva College | 45 | 45 Tuition and Fees |
| 10 | Faculty | 46 | 46 Financial Aid |
| 15 | Background of Yeshiva University | 48 | Description of Courses |
| 21 | Background of Yeshiva College | 96 | Prizes and Honors |
| 23 | Curriculums | 98 | Schools and Divisions |
| 23 | 23 Bachelor of Arts | 100 | Index |
| 27 | 27 Bachelor of Science | 102 | Gifts and Bequests |

WHERE TO SECURE INFORMATION

YESHIVA COLLEGE

General information

OFFICE OF THE DEAN
YESHIVA COLLEGE
YESHIVA UNIVERSITY
Amsterdam Ave. and 186th St., New York 33, N. Y.
LOrraine 8-8400

Admission

DIRECTOR OF ADMISSIONS
YESHIVA UNIVERSITY
Amsterdam Ave. and 186th St., New York 33, N. Y.
LOrraine 8-8400

Scholarships, Loans, Tuition, and Fees

OFFICE OF THE BURSAR
YESHIVA UNIVERSITY
Amsterdam Ave. and 186th St., New York 33, N. Y.
LOrraine 8-8400

THE UNIVERSITY

General interests

THE PRESIDENT, YESHIVA UNIVERSITY
Amsterdam Ave. and 186th St., New York 33, N. Y.
LOrraine 8-8400

Admission, Catalogs

DIRECTOR OF ADMISSIONS

General information

DIRECTOR OF PUBLIC RELATIONS

Scholarships, Loans, Tuition, and Fees

OFFICE OF THE BURSAR

Gifts

DIRECTOR OF DEVELOPMENT
YESHIVA UNIVERSITY
110 West 57th Street, New York 19, N. Y.
JUdson 2-5200

Bequests

COUNSEL, YESHIVA UNIVERSITY
110 West 57th Street, New York 19, N. Y.
JUdson 2-5200

ACADEMIC CALENDAR

FALL SEMESTER 1962

| | |
|---|--|
| Registration | Tuesday-Friday September 4-7 |
| First day of classes | Monday, September 10 |
| Last day to enter a new course | Thursday, September 27 |
| Rosh Hashanah and Fast of Gedaliah (no sessions) | Friday-Monday September 28-October 1 |
| Yom Kippur and Sukkot (no sessions) | Sunday, October 7- Monday, October 22 |
| Last day to withdraw from a course without academic penalty, but with payment of fee | Friday, October 26 |

| | |
|--|---|
| Election Day (sessions follow Sunday schedule) | Tuesday, November 6 |
| Sessions follow Friday schedule | Wednesday, November 21 |
| Thanksgiving (no sessions) | Thursday-Friday November 22-23 |
| Hanukkah (no sessions) | Thursday-Friday December 27-28 |
| New Year's Day (no sessions) | Tuesday, January 1 |
| Fast of Tevet (no sessions) | Sunday, January 6 |
| Last day of classes | Sunday, January 13 |
| Final examinations | Tuesday, January 15- Wednesday, January 23 |

SPRING SEMESTER 1963

| | |
|---|---|
| Registration | Monday-Friday January 21-25 |
| First day of classes | Thursday, January 31 |
| Lincoln's Birthday (regular sessions) | Tuesday, February 12 |
| Last day to enter a new course | Friday, February 15 |
| Washington's Birthday (no sessions) | Friday, February 22 |
| Last day to withdraw from a course without academic penalty, but with payment of fee | Friday, March 1 |
| Fast of Esther and Purim (no sessions) | Thursday-Sunday March 7-10 |
| Passover (no sessions) | Sunday, April 7- Wednesday, April 17 |
| Israel Independence Day (sessions follow Sunday schedule) | Monday, April 29 |
| Lag BaOmer (no sessions) | Sunday, May 12 |
| Last day of classes | Monday, May 27 |
| Shavuot (offices and library closed) | Wednesday-Thursday May 29-30 |
| Final examinations | Tuesday, June 4- Friday, June 14 |
| Commencement Exercises | Thursday, June 13 |

The academic year consists of two semesters, each 16 weeks including examinations. The year ends with Commencement, and the new school year begins the following day.

BOARD OF TRUSTEES

Max J. Etra, Chairman

Max Stern, Vice Chairman

David Aronow

Samuel Belkin

Charles H. Bendheim

Abraham Borman

Stanley R. Broff

Sol Furst

Louis J. Glickman

A. Phillip Goldsmith

Benjamin Gottesman

Ludwig Jesselson

Harry E. Kalodner

Joseph M. Mazer

Samuel Mellitz

Isadore Nadel

Dr. Leo Perlman

Samuel Rosen

Philip Shlansky

Charles A. Silver

Charles H. Silver

David Silver

Abraham R. Winer

Honorary Trustees

William Feinberg/Dr. Herbert S. Goldstein/Dr. Leo Jung/Dr. Joseph H. Lookstein

UNIVERSITY ADMINISTRATION

ACADEMIC OFFICERS

| | |
|---|--|
| SAMUEL BELKIN , Ph.D. | President |
| EMANUEL RACKMAN , Ph.D. | Assistant to the President for Rabbinic Studies |
| SHELLEY R. SAPHIRE , Ph.D. | Director, High Schools |
| ISAAC BACON , Ph.D. | Dean, Yeshiva College |
| DAN VOGEL , Ph.D. | Dean, Stern College for Women |
| ELIZABETH K. ISAACS , B.A. | Dean of Students, Stern College for Women |
| HYMAN B. GRINSTEIN , Ph.D. | Director, Teachers Institute for Men |
| BARUCH N. FAIVELSON , M.A. | Director, Teachers Institute for Women |
| BERNARD LANDER , Ph.D. | Director, Bernard Revel Graduate School and Harry Fischel School for Higher Jewish Studies |
| KARL ADLER , Mus.D. | Director, Cantorial Training Institute |
| MARCUS D. KOHEL , M.D. | Dean, Albert Einstein College of Medicine and Sue Golding Graduate Division of Medical Sciences |
| MORTON I. TEICHER , Ph.D. | Dean, School of Social Work |
| JOSHUA A. FISHMAN , Ph.D. | Dean, Graduate School of Education |
| ABE GELBART , Ph.D. | Dean, Graduate School of Science |
| DAVID MIRSKY , M.A. | Director of Admissions |
| MORRIS SILVERMAN , M.A. | University Registrar |
| RALPH M. SCHUCHALTER , M.H.L. | Assistant Registrar |
| SAM HARTSTEIN , B.A. | Director of Public Relations |
| SHELDON E. SOCOL , B.A. | Associate Bursar |
| ABRAHAM G. DUKER , Ph.D. | Director of Libraries |

EXECUTIVE AND BUSINESS OFFICERS

| | |
|---|-------------------------|
| IRVING JACOBS | Comptroller |
| ABRAHAM ZEITZ , LL.B. | Director of Development |
| SIDNEY SCHUTZ , LL.B. | Counsel |
| JOSHUA E. MATZ , M.A. | Treasurer |
| JOSEPH ELLENBERG , M.A. | Bursar |
| HAROLD SCHUCHMAN , B.B.A., C.P.A. | Chief Accountant |

YESHIVA COLLEGE ADMINISTRATION

- ISAAC BACON**, Ph.D., Masaryk University.....Dean
- MORRIS BESDIN**, B.A., Ordination, Yeshiva University.....Chairman, Jewish Studies Program
- ELI SAR**, B.A., Yeshiva University; B.A., New York University;
M.D., Creighton University.....University Physician
- MENACHEM M. BRAYER**, Baccalaureate Diploma, Botosani, Romania;
Diploma (Educ.), Sorbonne; Ordination, Yeshiva of Kishinev;
M.H.L., D.H.L., Ph.D., Yeshiva University.....Consultant Psychologist
- EDWARD DIAMOND**, B.S., City College of New York;
M.A., Columbia University.....Guidance Counselor
- SOLOMON ZEIDES**, B.A., Yeshiva University;
M.A., M.S. in Library Service, Columbia University.....Librarian, Pollack Library
- ABRAHAM B. HURWITZ**, B.A., City College of New York;
M.A., Columbia University.....Director of Student Services
- JOSHUA CHEIFETZ**, B.A., M.S.S., Ordination,
Yeshiva UniversityDirector of Residence Halls
- BERNARD SARACHEK**Director of Athletics
- MEYER H. EDELSTEIN**, B.A., M.H.L., Ordination, Yeshiva University.....Assistant to the Registrar

FACULTY

BERNARD ABRAMSON, Instructor in Biology
B.S., M.S., Ph.D., New York University

HELMUT E. ADLER, Associate Professor of
Psychology
B.A., M.A., Ph.D., Columbia University

KARL ADLER, University Music Director and
Professor of Music
Mus.D., New York College of Music

IRVING A. AGUS, Professor of Jewish History
B.S., New York University;
Ph.D., Dropsie College

MILTON ARFA, Visiting Assistant Professor
of Hebrew
B.B.A., M.S., City College of New York;
Ph.D., Columbia University

MEYER ATLAS, Professor of Biology
B.S., City College of New York;
M.A., Ph.D., Columbia University

ISAAC BACON, Professor of Linguistics
Ph.D., Masaryk University

RALPH E. BEHRENDs, Assistant Professor of Physics
B.S., U. S. Naval Academy;
M.A., Ph.D., University of California

SAMUEL BLACKMAN, Visiting Lecturer in Chemistry
B.A., Cornell University; M.S., New York University;
Ph.D., Polytechnic Institute of Brooklyn

SIDNEY D. BRAUN, Professor of French
Diploma, Sorbonne;
B.A., M.A., Ph.D., New York University

MENACHEM M. BRAYER, Associate Professor
of Bible
Baccalaureate Diploma, Botosani, Romania;
Diploma (Educ.), Sorbonne; Ordination,
Yeshiva of Kishinev; M.H.L., D.H.L., Ph.D.,
Yeshiva University

JULIUS BRILLER, Visiting Lecturer in History
B.A., M.A., State University of Iowa

ALEXANDER BRODY, Professor of History and
Economics
B.S., M.A., LL.M., Ph.D., New York University

GIDEON CARMİ, Visiting Assistant Professor of
Physics
M.S., Hebrew University;
Ph.D., Bristol University

MOSHE CARMILLY, Assistant Professor of Bible
Diploma, Jewish Theological Seminary, Budapest;
Ph.D., Pázmány Péter University, Budapest

MAURICE E. CHERNOWITZ, Professor of Fine Arts
B.A., City College of New York;
M.A., Ph.D., Columbia University

GERSHON CHURGIN, Professor of Hebrew
B.A., M.A., Columbia University;
Ph.D., Johns Hopkins University

JACOB I. DIENSTAG, Lecturer in Library Techniques
Hebrew Teacher's Diploma, B.A., Yeshiva University;
M.S. in Library Service, Columbia University

HERMAN DLUGATZ, Instructor in Biology
B.S., City College of New York;
Ph.G., M.A., Ph.D., Fordham University

IDA DOBKIN, Instructor in Chemistry
B.A., Hunter College;
M.S., New York University

ABRAHAM G. DUKER, Professor of History
and Social Institutions
B.A., City College of New York;
Ph.D., Columbia University

BERNARD EPSTEIN, Professor of Mathematics
B.A., M.S., New York University;
Ph.D., Brown University

ELI EPSTEIN, Instructor in Physical Education
B.S., M.A., New York University

MURRAY H. FEDER, Lecturer in German
B.A., City College of New York;
M.A., University of California

MEYER FELDBLUM, Lecturer in Hebrew
B.A., Ordination, Ph.D., Yeshiva University

LOUIS H. FELDMAN, Associate Professor of Classics
B.A., M.A., Trinity College;
Ph.D., Harvard University

DAVID FINKELSTEIN, Young Men's Philanthropic
League Associate Professor of Physics
B.S., City College of New York;
Ph.D., Massachusetts Institute of Technology

DAVID FLEISHER, Professor of English
B.S., New York University;
M.A., Ph.D., Harvard University

HARRY FRUMERMAN, Visiting Lecturer in Economics
B.S., City College of New York;
M.A., Columbia University

NATHAN GOLDBERG, Professor of Sociology
B.A., M.A., University of Pittsburgh

FRED GOODMAN, Assistant Professor of Biology
B.A., M.A., Brooklyn College;
Ph.D., Columbia University

IRVING GREENBERG, Assistant Professor of History
B.A., Brooklyn College;
M.A., Ph.D., Harvard University

HENRY GRINBERG, Lecturer in English
B.A., Brooklyn College;
M.A., Hunter College

HYMAN B. GRINSTEIN, Professor of Jewish History
B.S., M.A., Ph.D., Columbia University

MAYER HERSKOVICS, Assistant Professor of
Jewish Studies
M.A., Pázmány Péter University, Budapest;
D.H.L., Yeshiva University

JERRY HOCHBAUM, Lecturer in Sociology
B.A., Yeshiva University;
M.A., Columbia University

ABRAHAM B. HURWITZ, Professor of Physical
Education
B.A., City College of New York;
M.A., Columbia University

ARTHUR HYMAN, Associate Professor of Philosophy
B.A., St. John's College; M.H.L., Jewish Theological
Seminary of America; M.A., Ph.D.,
Harvard University

RICHARD E. ISAAC, Lecturer in Mathematics
B.A., Cornell University;
Ph.D., University of California

MICHAEL KATZ, Assistant Professor of Talmud
B.A., Ordination, Yeshiva University

GILBERT KLAPERMAN, Assistant Professor of
Sociology
B.A., D.H.L., Yeshiva University;
M.A., University of Iowa

PHILIP E. KRAUS, Professor of Education
B.A., City College of New York; M.A., Columbia
University; Ph.D., New York University

AARON D. KRUMBEIN, Visiting Assistant Professor
of Physics
B.A., Brooklyn College;
Ph.D., New York University

SEYMOUR LAINOFF, Assistant Professor of English
B.A., Brooklyn College; M.A., Columbia University;
Ph.D., New York University

NATHAN LANDER, Assistant Professor of Sociology
B.B.A., City College of New York; M.A., Columbia
University; Ph.D., Yeshiva University

LEON F. LANDOVITZ, Assistant Professor of Physics
B.A., Ph.D., Columbia University

HAYIM LEAF, Assistant Professor of Hebrew
Hebrew Teacher's Diploma, B.A., Yeshiva University

JOEL L. LEBOWITZ, Associate Professor of Physics
B.S., Brooklyn College;
M.S., Ph.D., Syracuse University

LEO LEVI, Instructor in Physics
B.E.E., City College of New York;
M.S., Polytechnic Institute of Brooklyn

ELI M. LEVINE, Professor of Chemistry
B.A., Yeshiva University; M.A., Columbia University;
Ph.D., Polytechnic Institute of Brooklyn

JOSEPH LEWITTES, Lecturer in Mathematics
B.A., M.S., Ph.D., Yeshiva University

HERBERT LIEBESKIND, Visiting Associate Professor
of Chemistry
B.A., M.S., New York University

IRVING LINN, Professor of English
B.B.A., City College of New York;
M.A., Ph.D., New York University

HENRY LISMAN, Professor of Mathematics
B.S., M.A., Ph.D., Boston University

ALEXANDER LITMAN, Professor of Philosophy
B.A., University of Minnesota;
Ph.D., Columbia University

***JOSEPH H. LOOKSTEIN**, Professor of Sociology
B.A., City College of New York; M.A., Columbia
University; D.D., Yeshiva University

JONAH MANN, Instructor in Mathematics
B.A., M.S., Yeshiva University

GERSHON METZGER, Instructor in Chemistry
B.A., Yeshiva University;
M.A., Ph.D., Columbia University

DAVID MIRSKY, Assistant Professor of English
B.A., Yeshiva University;
M.A., Columbia University

WALTER E. NALLIN, Visiting Associate Professor
of Music
B.S., M.A., Columbia University;
Ed.D., New York University

JAMES O'CONNOR, Instructor in Economics
B.S., Columbia University

BARBARA OHLSON, Instructor in Speech
B.A., Occidental College;
M.A., Northwestern University

* On leave

CHARLES PATT, Lecturer in Mathematics
B.A., M.S., Ph.D., Yeshiva University

JACK PEISACH, Assistant Professor of Chemistry
B.A., City College of New York;
M.A., Ph.D., Columbia University

ISRAEL PERLMUTTER, Visiting Lecturer in Psychology
B.A., Yeshiva University

SIDNEY PLESKIN, Associate Professor of Education
B.A., Yeshiva University;
M.A., Ed.D., Columbia University

PEREZ POSEN, Assistant Professor of Physics
B.A.Sc., University of Toronto;
M.A., New York University

EMANUEL RACKMAN, Associate Professor of
Political Science
B.A., LL.B., Ph.D., Columbia University;

HARRY E. RAUCH, Professor of Mathematics
B.A., M.A., Ph.D., Princeton University

MOSHE A. REGUER, Instructor in Bible
Hebrew Teacher's Diploma, B.A., Ordination,
D.H.L., Yeshiva University

HERBERT S. ROBINSON, Visiting Professor of English
B.S., Pd.M., New York University; M.A., Columbia
University; Ph.D., Cambridge University

RALPH P. ROSENBERG, Professor of German
B.S., City College of New York;
M.A., Ph.D., University of Wisconsin

AZRIEL ROSENFELD, Visiting Assistant Professor
of Mathematics
B.A., M.S., M.H.L., Yeshiva University;
M.A., Ph.D., Columbia University

SHELLEY R. SAPHIRE, Professor Emeritus of Biology
B.A., City College of New York;
M.A., Ph.D., Columbia University

ELI SAR, Assistant Professor of Hygiene
B.A., Yeshiva University; B.A., New York University;
M.D., Creighton University

LOUIS F. SAS, Visiting Professor of Spanish
B.A., City College of New York;
M.A., Ph.D., Columbia University

JOSHUA SHMIDMAN, Visiting Lecturer in Jewish
Philosophy
B.A., Brooklyn College;
Ordination, Mesivta Rabbi Chaim Berlin

BENJAMIN SHWADRON, Visiting Professor of
Economics
B.A., M.A., Ph.D., Clark University

ASHER SIEV, Assistant Professor of Hebrew
Hebrew Teacher's Diploma, B.A., Ordination,
M.H.L., D.H.L., Yeshiva University

MORRIS SILVERMAN, Assistant Professor of History
B.A., B.R.E., M.S., Yeshiva University;
M.A., Brooklyn College

SAMUEL SOLOVEICHIK, Associate Professor of
Chemistry
Sc.D., University of Brussels

MANNY STERNLICHT, Visiting Assistant Professor
of Psychology
B.A., M.A., City College of New York;
Ph.D., Yeshiva University

NATHAN SUSSKIND, Visiting Associate Professor
of Yiddish
B.A., M.S., City College of New York;
Ph.D., New York University

NINA SYNIAWSKA, Lecturer in Russian
Ph.D., Free University of Prague

ABRAHAM TAUBER, Visiting Professor of Speech
B.S.S., City College of New York;
M.A., Ph.D., Columbia University

ARTHUR D. TAUBER, Assistant Professor of
Physical Education
B.A., M.A., New York University

LEO TAUBES, Instructor in English
B.A., Yeshiva University;
M.A., Columbia University

MOSES D. TENDLER, Associate Professor of Biology
B.A., M.A., New York University;
Ph.D., Columbia University

TOBIAS WAGNER, Lecturer in Education
B.S., M.A., Columbia University;
Ph.D., New York University

STANLEY WEINTRAUB, Visiting Assistant Professor
of Speech
B.S.S., City College of New York;
M.A., Ph.D., Columbia University

ROBERT WEISBORD, Visiting Lecturer in History
B.A., M.A., New York University

HYMAN S. WETTSTEIN, Assistant Professor of
Physical Education
B.A., M.A., New York University

HENRY WITTENBERG, Instructor in Physical
Education
B.S., City College of New York;
M.A., Columbia University

MAURICE WOHLGELERNTER, Instructor in English
B.A., Yeshiva University
M.A., Ph.D., Columbia University

SOLOMON ZEIDES, Instructor in Library Techniques
B.A., Yeshiva University;
M.A., M.S. in Library Service, Columbia University

WILLIAM ZLOT, Assistant Professor of
Mathematics Education
B.S., City College of New York;
M.B.A., M.A., Ph.D., Columbia University

TEACHING FELLOWS

HARVEY Z. SENTER, Teaching Fellow in Mathematics
B.A., M.S., Yeshiva University

JOSHUA SHUCHATOWITZ, Teaching Fellow in
Physics
B.A., M.S., Yeshiva University

FACULTY ORGANIZATION

THE DIVISIONS

All courses of instruction are grouped under four divisions. The divisions and the subjects they comprise are:

- 1. LANGUAGE, LITERATURE, AND THE FINE ARTS:** Art, English, French, German, Greek, Latin, Linguistics, Music, Russian, Spanish, Speech, and Yiddish (jointly with Jewish Studies).
- 2. THE NATURAL SCIENCES:** Biology, Chemistry, Drafting, Mathematics, and Physics.
- 3. THE SOCIAL SCIENCES:** Economics, Education, History, Library, Philosophy, Physical Education and Hygiene, Political Science, Psychology, and Sociology.
- 4. JEWISH STUDIES:** Bible, Hebrew, Jewish History, and Yiddish (jointly with Language).

STANDING COMMITTEES OF THE FACULTY

Faculty Advisory Council
Admissions Committee
Curriculum Committee
Examinations Committee
Library Committee

Pre-engineering Committee
Premedical-Pre dental Committee
Scholastic Standing Committee
Student Activities Judiciary Committee
Student Activities Policy Committee

Welfare Committee

YESHIVA UNIVERSITY

America's oldest and largest university under Jewish auspices, Yeshiva University comprises 17 schools and divisions providing undergraduate, graduate, and professional studies in the arts and sciences and Jewish learning. It is chartered by the State of New York, accredited by the Middle States Association of Colleges and Secondary Schools and by specialized professional agencies, and is a member of the College Entrance Examination Board.

Five thousand students from all parts of the nation and numerous foreign countries are currently preparing for positions of leadership in education, social work, the rabbinate, medicine, mathematics, physics, psychology, and other areas of endeavor. The faculty of 1,200 includes many renowned scholars who have gained distinction in their respective disciplines.

The University maintains several community service agencies and a leading program of pioneering research, and publishes scholarly journals and books in various fields.

Schools and Divisions

The constituent schools and divisions include: on the preparatory level—four high schools, two for boys (Main Center, Amsterdam Avenue and 186th Street, N. Y. 33, and 2270 Church Avenue, Brooklyn 26) and two for girls (2301 Snyder Avenue, Brooklyn 26, and 462 West 58th Street, N. Y. 19); on the undergraduate level—two colleges of arts and sciences, Yeshiva College for Men (Main Center) and Stern College for Women (Midtown Center, 253 Lexington Avenue, N. Y. 16), and two Teachers Institutes, for Men (Main Center) and for Women (Midtown Center); and nine graduate and professional units—Rabbi Isaac Elchanan Theological Seminary (Main Center), Bernard Revel Graduate School (Main Center), Harry Fischel School for Higher Jewish Studies (Main Center), Cantorial Training Institute (Main Center), Albert Einstein College of Medicine (Bronx Center, Eastchester Road and Morris Park Avenue, Bronx 61), Sue Golding Graduate Division of Medical Sciences (Bronx Center), School of Social Work (Graduate Center, 110 West 57th Street, N. Y. 19), Graduate School of Education (Graduate Center), and Graduate School of Science (Main Center).

The University spans New York City with six centers in Manhattan, Brooklyn, and the Bronx. The Main, Midtown, and Bronx Centers have dormitory and dining facilities. Although these centers are located in several parts of the City, each school is conducted as an entity to assure friendly, informal, and educationally sound relationships among students, faculty, and administration. Component units thus retain the character and virtues of small institutions.

Undergraduate Studies

The undergraduate colleges—for men and women—are unique, providing in one program both general and Jewish studies leading to Bachelor's degrees. Courses in Jewish learning are geared to the student's level of preparation and are designed for his particular aims. A full program of co-curricular activities includes student government, newspapers, yearbooks, dramatics, choral work, debating, and chess. In addition to intramural athletics, students engage in intercollegiate competition in basketball, fencing, wrestling, and tennis.

Major courses of study are available in the following areas: biology, chemistry, classical languages (Greek and Latin), economics, education, English, French, Hebrew, history, Jewish studies, mathematics, music, philosophy, physics, political science, psychology, sociology, and the pre-professional studies of pre-law, pre-medicine, pre-dentistry, and pre-engineering.

Graduate and Professional Studies

Graduate and professional studies are offered to qualified college graduates by 9 of the 17 schools and divisions. These units are mostly coeducational and non-denominational, and include curriculums leading to the Master's and Doctor's degrees. Their programs require students to show excellence in both scholarship and research.

Several curriculums are experimental, providing students with a rare opportunity to develop leadership qualities through participation in pace-setting projects. Those with community internships benefit from the co-operation of leading educational, social, medical, and religious agencies, enabling students to gain practical experience before entering their fields. All graduate and professional programs are strengthened by faculties of experts drawn both from the University and the community.

Opportunities are available in the following fields: **General Studies:** anatomy, biochemistry, education (elementary, secondary, social science, mathematics and science, special, religious, language, speech and communications), immunology, mathematics, medicine, microbiology, pathology, personnel and guidance, pharmacology, physics, physiology, psychology (educational and school, experimental and clinical), social work (group work, casework). **Jewish Studies:** Bible, cantorial liturgy and musicianship, Jewish history, Jewish literature, Jewish philosophy, rabbinics, Semitics, Talmud.

Libraries

Nine libraries, five of them major, house collections on all branches of the arts and sciences and Judaica. For the eight schools at the Main Center, there are two major libraries—the Pollack, designed to aid studies in the arts and sciences; and the Mendel Gottesman, specializing in Judaica and Hebraica. The D. Samuel Gottesman Library at Albert Einstein College of Medicine, the Siegfried Stern Library at Stern College for Women, and the libraries of the Graduate Center and High Schools serve students with a variety of resources including many special collections. The co-operative lending program among individual libraries assures students of adequate facilities for research and other assignments. In addition, the public and private libraries of New York City are at hand for student use.

Auxiliary Services

Recognizing that its responsibilities extend beyond the academic scene, Yeshiva University offers the community-at-large a wide range of auxiliary services. The **Community Service Division** assists traditional congregations throughout the United States and Canada in such areas as adult education, youth activities, and synagogue administration. Its Placement Bureau aids graduates of the various schools in securing positions. **Pictorial Mathematics** makes available illustrations, pamphlets, and other materials designed as mathematical teaching aids. The **Psychological Center** provides mental health assistance to individuals referred by recognized agencies. The **Audio-Visual Center** produces records, tapes, films and filmstrips of general, educational, and Jewish interest. The **Film Library**, the largest of its kind in New York City, provides educational films on a great variety of subjects to public schools, colleges, and other institutions. The **Israel Institute** offers courses on the history and problems of Israel and lectures for laymen stressing the relationship between Israel and the American Jewish community. Students at the Institute can earn degrees from the Bernard Revel Graduate School and certificates from the American Zionist Council.

Research

To expand the horizons of knowledge, the University conducts varied programs of research. Grants have been made for studies in the sciences, mathematics, physics, languages, and Jewish learning. These include such wide-ranging projects as the Study of the Non-English Language Resources of American Ethnic Groups, an investigation to determine how the language skills of Americans of foreign birth and parentage may be utilized to help meet the nation's critical need for greater foreign language proficiency; "Living Biology" Film Series, producing motion pictures designed to improve biology instruction in secondary schools, colleges, and universities; National Institute of Mental Health Project, developing a specialized curriculum in mental health education for rabbis; and summer institutes for secondary school teachers and students. Among the supporting agencies are the National Science Foundation, National Institute of Health, U. S. Air Force, Atomic Energy Commission, U. S. Office of Education, National Aeronautics and Space Administration, and private foundations.

Publications

Among the noteworthy publications issued are: **Horeb**, **Talpioth**, and **Sura**, periodicals published in Hebrew and devoted to Jewish history, law, literature, and culture; **Scripta Mathematica**, a leading quarterly journal on the expository and research aspects of mathematics; **Mathematica Press**, a series of original books by leading mathematicians; and **Special Publications**, books and pamphlets on a variety of subjects designed to interpret Judaism for the public.

A HISTORY IN BRIEF

Yeshiva University has evolved from two of this country's oldest yeshivas—schools of traditional Jewish learning: Yeshiva Eitz Chaim, founded in 1886 as an elementary day school offering instruction in Jewish and general studies; and the Rabbi Isaac Elchanan Theological Seminary, organized 10 years later to provide young men with the opportunity for intensive study of the Talmud and named in memory of Rabbi Isaac Elchanan Spektor (1817-1896), noted Rabbi of Kovno, Lithuania.

In 1915 Rabbi Dr. Bernard Revel (1885-1940) was appointed president and these two schools, located on New York's Lower East Side, merged under the name of the latter and moved to 9-11 Montgomery Street.

In addition to reorganizing the course of study in the Seminary, he founded the same year, as an integral part of the institution, Talmudical Academy (Yeshiva University High School for Boys—Manhattan)—the first high school under Jewish auspices in the United States.

In 1921 the Mizrahi Teachers Institute, founded by the Mizrahi Organization of America in 1917 to train teachers and supervisors for Hebrew schools in the United States and Canada, joined the Yeshiva. (Today it is known as Teachers Institute for Men.)

Dr. Revel embarked upon a comprehensive plan for the expansion and perpetuation of Jewish learning in America. True leadership, he determined, depended upon full knowledge of general, as well as Jewish, culture. His aims were, in his own words: "To fuse the teachings of Judaism with the knowledge of the ages for the development of the complete personality, the enrichment of the life of the Jewish community, and the advancement of our beloved country."

Yeshiva College Opens

In 1928 the first college of liberal arts and sciences in America under Jewish auspices—Yeshiva College—opened its doors.

Under the name "Rabbi Isaac Elchanan Theological Seminary and Yeshiva College," the expanding institution moved the following year to the present Main Center, Amsterdam Avenue and 186th Street, in Manhattan's Washington Heights.

The first graduate program—in Semitics—was introduced in 1935. (This is now incorporated in the Bernard Revel Graduate School, established in 1937, and Harry Fischel School for Higher Jewish Studies.)

The dynamic leadership of Dr. Revel ended with his death in 1940. For his many vital contributions to the institution's development during its crucial formative years, the first president will long be remembered with esteem.

Dr. Belkin Becomes President

Rabbi Dr. Samuel Belkin was elected president in 1943 and the institution entered a new era. He blueprinted a broad academic and physical expansion program designed to make the school a still greater force for service to the community. The great milestone in its history, and the event that initiated the most significant period of growth, was its elevation in 1945, by action of the New York State Board of Regents, to university status. Thus Yeshiva achieved the distinction of becoming America's first university under Jewish auspices.

That year three schools were founded—Harry Fischel School for Higher Jewish Studies, Institute of Mathematics, and High School for Boys—Brooklyn—together with the Community Service Division, an auxiliary unit extending the University's religious, programing, and placement resources to communities throughout the United States and Canada. In 1948 the University added the Graduate School of Education and Community Administration, High School for Girls—Brooklyn, Audio-Visual Center, and Psychological Center.

In 1954 two institutes were established—the Cantorial Training Institute and Israel Institute.

Education of Women

The new High School was the first secondary school in the nation to offer a combined general and Jewish education for girls. In 1952 educational opportunities for women

were further expanded when Teachers Institute for Women was founded. Stern College for Women, America's first women's liberal arts college under Jewish sponsorship, was established two years later through a gift by New York industrialist Max Stern, vice chairman of the University's Board of Trustees.

American Jewry's First Medical School

The University's charter had been amended in 1950, authorizing it to grant the degrees of Doctor of Medicine and Doctor of Dental Surgery. The next year Yeshiva University and the City of New York entered into an agreement whereby the college of medicine was to be responsible for the professional care of all patients in the new 1,400-bed Bronx Municipal Hospital Center, providing students the opportunity to make full use of the wealth of clinical material available in in-patient and out-patient services. The year 1955 witnessed the culmination of a monumental undertaking in modern Jewish life—the opening of Albert Einstein College of Medicine, America's first medical school under Jewish auspices.

Recent Growth

Yeshiva University reorganized its graduate programs in 1957, dividing the School of Education and Community Administration into two units—the Graduate School of Education, established with the aid of a major grant by the Ford Foundation's Fund for the Advancement of Education, and the School of Social Work, the first university-based program to train personnel for both Jewish and general social work agencies. That year Albert Einstein College of Medicine established its first subdivision—Sue Golding Graduate Division of Medical Sciences.

In 1958, answering the nation's urgent call for qualified scientific personnel, the Institute of Mathematics was expanded and renamed the Graduate School of Mathematical Sciences. It was further developed in 1960 into a full-fledged Graduate School of Science.

On the occasion of its 75th anniversary in 1961, the University announced a dynamic 10-year, \$30 million "Blueprint for the Sixties" development program. It includes additions to the Main Center—a five-story classroom-administration building, recently completed; another dormitory; expanded library facilities; and a gymnasium-recreation center—and a new Midtown Center on Manhattan's West Side. The new center will house the Graduate School of Education, School of Social Work, and Graduate School of Science, as well as a classroom building and residence hall for Stern College for Women and Teachers Institute for Women. Also, Albert Einstein College of Medicine is conducting a \$27.5 million development program to strengthen and extend its resources in medical training, research, and patient care.

In 75 years Yeshiva University has taken a position of leadership in higher education, serving the Jewish community, and the nation as a whole, as an expression of Jewry in a free society.



YESHIVA COLLEGE

Yeshiva College, established in 1928, is the University's college of arts and sciences for men. The basic purpose of the College is to educate young men in the broadest and richest sense of the word and to prepare them for life in a community in which leadership is based on the fullest knowledge of Jewish and general culture. To this end, students at Yeshiva College receive an education in the liberal arts and sciences and, at the same time, in Jewish religion and culture. With an enrollment of about 650 students representing every part of the United States and several foreign countries, Yeshiva College has an informal atmosphere which brings student and faculty into a close harmonious relationship.

Classes are held at the Main Center Sunday through Thursday afternoons (generally between 2:00 and 7:30 p.m.) and Friday mornings (9:00 a.m. to 1:00 p.m.). In the mornings, students pursue their Jewish studies in the Teachers Institute for Men, the Rabbi Isaac Elchanan Theological Seminary, or the Jewish Studies Program.

Yeshiva College is accredited by the Middle States Association of Colleges and Secondary Schools, and its curriculums are registered by the New York State Education Department. Courses of study lead to the degrees of Bachelor of Arts and Bachelor of Science.

MAIN CENTER

The Main Center in historic Washington Heights is the home and hub of Yeshiva University. Situated on Laurel Hill, the site of a famous Revolutionary War conflict, it is bounded on the north and south by 187th and 184th Streets, and on the west and east by Audubon Avenue and Laurel Hill Terrace, which overlooks the Harlem River. Washington Park is adjacent to the campus area.

Yeshiva College's location at the Main Center provides stimulating association with several of the University's graduate and professional schools and makes major University resources easily accessible to the College student.

The following Yeshiva University graduate and professional schools are situated at the Main Center: Teachers Institute for Men, Rabbi Isaac Elchanan Theological Seminary, Bernard Revel Graduate School, Harry Fischel School for Higher Jewish Studies, Cantorial Training Institute, and Graduate School of Science.

Facilities at the Main Center include:

Main Building a Byzantine-style structure erected in 1928 at a cost of \$2,500,000 and opened for use the following year when Yeshiva College moved to the Main Center. This building has been the heart of a rapidly growing University, with its towering minarets and colorfully decorated domes making it a Washington Heights landmark.

In addition to classrooms, laboratories, and offices, main features are the Harry Fischel Synagogue-Study Hall; Nathan Lampion Auditorium, scene of important events; Mendel Gottesman Library, containing one of the world's leading collections of Judaica; and gymnasium.

Classroom-Administration Building a new building opened in 1962 to meet the needs of an expanding Main Center. It houses classrooms, lecture halls, administration and faculty offices, conference rooms, lounges, facilities for student activities, a bookstore, and student lockers.

Here are the offices of the President, Dean of Men, Dean of Yeshiva College, heads of schools, Director of Admissions, Registrar, Bursar, and Community Service Division, and the Alumni Activities, Public Relations, and Production Departments.

Riets Hall home of the Audio-Visual Center; the Herman Gerofsky Physics and Research Center; and Klein Hall, where conferences, classes, seminars, receptions, and film showings are held.

Danciger Campus bounded on the east and west by Laurel Hill Terrace and Amsterdam Avenue, and on the north and south by 186th and 184th Streets. On this rolling tract overlooking the Harlem River, such outdoor events as the annual Commencement Exercises are held. At the south end of the campus stands the Leah and Joseph Rubin Residence Hall, a new seven-story modern dormitory building providing living quarters for resident Yeshiva College students. It houses the Lipschutz-Gutwirth Study Hall and the Dining Room, which seats more than 500 and serves kosher meals seven days a week. Located at the north end of the campus is the High School Residence Hall.

Pollack Library the main library of the University, whose shelves hold a comprehensive collection of books and periodicals designed to aid undergraduate and graduate students in the arts and sciences.

Science Hall housing biology laboratories.

Main Center Annex 601 West 183rd Street, containing the Graduate School of Science.

CURRICULUMS

BACHELOR OF ARTS

Majors

Each student must select one subject as a major. The student must have the permission of the senior professor of the subject, and must also obtain this professor's approval of his planned course of study. The subjects in which one may major are listed below, with the page number where the requirements for that subject are given:

| | |
|----------------------------|--------------------------------------|
| Biology, p. 51 | Music, p. 76 |
| Chemistry, p. 52 | Philosophy, p. 79 |
| Classical Languages, p. 54 | Physics, p. 82 |
| Economics, p. 56 | Political Science, p. 85 |
| English, p. 59 | Pre-engineering, p. 24 |
| French, p. 62 | Premedical-Pre dental Studies, p. 24 |
| Hebrew, p. 66 | Psychology, p. 87 |
| History, p. 69 | Psychology-Education, p. 58 |
| Jewish Studies, p. 24 | Sociology, p. 90 |
| Mathematics, p. 73 | |

No student may take courses in his major at another school without written permission. In any event, at least 18 credits in the major must be taken at Yeshiva College.

The approval of both the senior professor of the subject in which the student is majoring and the chairman of that division are necessary for a waiver or substitution of one course for another in the requirements for graduation or for the major; this request must be made before the taking of the substitute course.

Interdepartmental Majors

Jewish Studies Students majoring in Jewish Studies are required to take 27 credits chosen from the following: Hebrew, courses above 1-2; Jewish History, courses above 71-72; Jewish Philosophy; Bible, courses above 8; Library 5;6. At least 15 credits must be in Bible or Hebrew or Jewish History.

Pre-engineering Students who pursue the pre-engineering major may elect to earn either the B.A. or B.S. degree. Those who wish the B.A. degree are required to take the following courses: Chemistry 1-2; Physics 1-2, 11a, 12a, 13, 14; Mathematics 1-2, 11, 12 (or 3-4 in place of 1-2 and 11, 12), 23-24, 33,34; Drafting 1a-b. (Students planning to become aeronautical, chemical, or electrical engineers may be excused from Drafting with the permission of the Pre-engineering Committee.)

The requirements for the B.S. degree will be found on page 27.

Premedical-Pre dental The following courses are required for the premedical-pre dental major: Chemistry 1-2; 11; 13a, 14a; Biology 1-2; Mathematics 1-2; and Physics 1-2.

Each premedical and pre dental major is required to designate another subject as his minor, and his program is adjusted to allow him to take as many courses as possible in this subject.

Pre-law Training Students planning to enter law school upon completion of their college studies may major in any subject. However, it is recommended that they major in a social science.

Degree Requirements

Candidates for the degree of Bachelor of Arts must complete prescribed and elective courses totaling 128 credits, of which not more than 8 may be in Physical Education. One credit represents one period of lecture or recitation, or two periods of laboratory work, per week for one semester, unless otherwise stated in the course listing. A semester consists of 16 weeks; a period, of 50 minutes.

Students must complete at least 58 credits at Yeshiva College in order to be eligible for the degree. At least 24 of the last 35 credits must be taken at the College.

A student must complete all requirements for graduation within six years of the date of matriculation, excluding time lost because of serious illness or service with the armed forces.

The candidate must have an average of 2.0 or better in all his studies and a grade of C or better in all courses in his major presented for the major requirement.

The following courses are required of all students:

A. JEWISH STUDIES

All students attending Yeshiva College (YC) must pursue simultaneously courses in Jewish Studies in one of the following: the Rabbi Isaac Elchanan Theological Seminary (RIETS), Teachers Institute for Men (TIM), or Jewish Studies Program (JSP).

RIETS Students YC students enrolled in RIETS must take the following courses at YC:

| | Credits |
|--|---------|
| ¹ Bible—one course each semester of attendance..... | 8 |
| Hebrew—four semesters | 12 |
| History 71-72 | 6 |

The Hebrew must be taken in the freshman and sophomore years and the History in the junior year, unless written permission for a change is received from the College Office. Descriptions of these courses will be found in this Catalog.

No credit toward the B.A. or B.S. degree is given for work done at RIETS.

TIM Students YC students enrolled in TIM must transfer 16 credits from TIM at the rate of 4 each semester the first two years of attendance, unless written permission for a change is received from the College Office.

JSP Students YC students enrolled in JSP must transfer 26 credits from JSP at the rate of 4 each semester the first three years of attendance and 1 each semester the fourth year, unless written permission for a change is received from the College Office.

One composite grade is given each semester for all work done in JSP that semester. This work is entered as a unit on the YC record in the form indicated on page 69.

A maximum of 32 credits in Jewish Studies may be transferred from TIM or JSP or another institution toward the B.A. or B.S. degree.

Students attending TIM or JSP may not take any course in Jewish Studies at YC unless the head of their school certifies that the curriculum in that school does not include such a course.

B. NATURAL SCIENCES

| | Credits |
|---|---------|
| Biology or Chemistry or Physics 1-2 or 1a-2a..... | 6-8 |
| ² Hygiene 1-2 | 2 |
| Mathematics 1-2 (for science majors only)..... | 6 |

C. SOCIAL SCIENCES

| | |
|--|---|
| One year, chosen from the following: Economics 1; History 1;2; 5;6; Philosophy 9-10; Political Science 1; Psychology 1; Sociology 1 (History 5,6 must be taken if American History is not offered for admission).... | 6 |
| ³ Physical Education—one course each semester of attendance..... | 4 |

¹ Students must take Bible each semester of attendance. At least four semesters must be passed.

² Not required of premedical and pre dental majors.

³ Students must take Physical Education each semester of attendance. At least four semesters must be passed.

D. LANGUAGE, LITERATURE, AND THE FINE ARTS

| | |
|------------------------------------|------|
| English 1-2, 3-4 | 12 |
| Art 1; Music 1 | 2 |
| ¹ Speech 1-2, 3;4 | 2-6 |
| Foreign Language | 6-12 |

All students except those majoring in biology, chemistry, pre-engineering, or pre-medical-pre dental studies are required to take two years of French, German, Greek, Latin, or Spanish (but not higher than course 4).

Majors in biology, chemistry, pre-engineering, or premedical-pre dental studies are advised to fulfill the above requirement, but are required to take only one year of French, German, or Russian.

Foreign students proficient in one of the above languages may be excused from the requirement.

Students who plan to do graduate work are advised to consult the catalogs of the graduate schools they are interested in before choosing their foreign language.

Comprehensive Examinations To be eligible for graduation, each senior must take comprehensive examinations, which the school uses for evaluation and diagnosis. At present, the Graduate Record Examinations of the Educational Testing Service are employed for these purposes. Each student must take the Area Tests and the Advanced Test in his major subject. (Special examinations are prepared in those subjects for which the ETS does not have tests.) These tests are administered at the University every spring.

Programs of Study

For the convenience of students, the normal programs of study for the Bachelor of Arts degree are given below:

MAJORS IN LABORATORY SCIENCE (biology, chemistry, physics, pre-engineering, premedical-pre dental)

| Freshman Year | Sophomore Year |
|--|----------------------------|
| English 1-23 cr. ea. | English 3-43 cr. ea. |
| ² Science 1-24 | Science 11-123 to 5 |
| Jewish Studies4 | Second Science4 |
| Mathematics 1-2 or 3-4.....3 or 4 | Jewish Studies4 |
| Hygiene 1-2 or Art 1 and Music 11 | Phys. Ed. 3-4½ |
| Speech 1-21 | |
| Phys. Ed. 1-2½ | |

¹ Majors in biology, chemistry, pre-engineering, and premedical-pre dental studies who have received grades of B or better in Speech 1 and 2 will be excused from taking Speech 3 and 4, with the approval of their instructor in Speech 2.

² Premedical-pre dental majors should take chemistry as their first science.

MAJORS IN OTHER SUBJECTS

| Freshman Year | Sophomore Year |
|--|--|
| English 1-23 cr. ea. | English 3-43 cr. ea. |
| Language 1-23 | Language 3-43 |
| Jewish Studies4 | Jewish Studies4 |
| History 1;2 or Mathematics 1-23 | Science 1-2 (or 1a-2a)4 or 3 |
| Hygiene 1-21 | ¹ Major Courses2 or 3 |
| Art 1 and Music 11 | Phys. Ed. 3-4½ |
| Speech 1-21 | |
| Phys. Ed. 1-2½ | |

PROSPECTIVE TEACHERS (other than psychology-education majors)

| Fifth Semester | Sixth Semester | Seventh Semester | Eighth Semester |
|----------------|----------------|---------------------|--------------------|
| §Psychology 1 | §Psychology 16 | §Education 21 | Education 32 or 25 |
| §Education 11 | §Education 12 | Education 51 | Education 52 |
| | | Psychology 35 or 38 | Psychology 13 |

JUNIOR YEAR

Students who are required to take Speech 3;4 and have not taken it yet should do so now. Students who have not yet met the social science requirement should do so now.

Bulletins giving more detailed information on the course of study in specific majors are available.

BACHELOR OF SCIENCE

Major

Pre-engineering studies.

Degree Requirements

Degree requirements are the same as those for the Bachelor of Arts, with the following exceptions:

1. The only speech courses required are 1 and 2.
2. The specific social sciences required are Economics 1 and History 2.
3. The foreign language requirement may be satisfied with one year of any one of the following languages: French, German, Greek, Latin, Russian, Spanish. Students whose high school language preparation enables them to enter course 2 need take only that semester. (This is the usual class for students who have had three years of a language in high school with a B average.) Students who

¹ Majors in a language should take speech in the sophomore year and go on to advanced courses in the junior year.

§ These courses are most important.

demonstrate an intermediate knowledge of one of these languages by getting 600 or higher on the appropriate Achievement Test or a grade of 2 (passing) on the Advanced Placement Test of the College Entrance Examination Board are excused from the language requirement.

4. All students must take at least the following science courses: Chemistry 1-2; Physics 1-2, 11a, 12a, and 13, 14*; Mathematics 1-2, 11, 12**, 13, 14, and 23-24*; and Drafting 1a-b.***
5. Students with superior records who receive the privilege of transferring to New York University College of Engineering at the end of their junior year, as described below, are excused from the requirement of a fourth year of physical education and a fourth year of Jewish Studies.

Combination Plan for Pre-engineering Majors

While the course of study at Yeshiva College is ordinarily four years for pre-engineering majors, as for all others, a Combination Plan has been worked out between Yeshiva College and the New York University College of Engineering under which a student who attends Yeshiva College for three years and receives the recommendation of the Pre-engineering Committee is admitted by the NYU College of Engineering as a junior. He attends NYU for one summer and two years, and qualifies for degrees at both Yeshiva College and NYU.

Yeshiva University confers the Bachelor of Science degree upon a student undertaking the Combination Plan at the successful completion of the fourth year of study, and NYU confers the appropriate engineering degree at the close of the program.

The degree conferred by Yeshiva University under these conditions is to be considered a **privilege rather than a right**. A student is not eligible for the Yeshiva University degree unless his general average during the three years at Yeshiva College is at least B and unless his grades in the natural sciences, mathematics, and technical subjects show **at least** comparable quality. In addition, the Pre-engineering Committee must recommend the candidate to the President for the Yeshiva University degree.

The chairman of the Pre-engineering Committee at Yeshiva College acts as a coordinator of the program and advises students. One year before the student plans to enter the New York University College of Engineering, a report on the student's record is sent to it by Yeshiva College.

* Students transferring to NYU substitute the equivalent course there.

** Mathematics 3-4 may be substituted for 1-2 and 11,12.

*** Students planning to become aeronautical, chemical, or electrical engineers may be excused from drafting with the permission of the Pre-engineering Committee.

Program of Study

For the convenience of students, the normal program of study for the Bachelor of Science degree is given below.

Freshman Year

| | |
|-----------------------|-----------|
| English 1-2 | 3 cr. ea. |
| Chemistry 1-2 | 4 |
| Jewish Studies | 4 |
| Phys. Ed. 1-2 | ½ |
| Mathematics 1-2 | 3 |
| Speech 1-2 | 1 |
| Hygiene 1-2 | 1 |

 16½
Sophomore Year

| | |
|-------------------------|-----------|
| English 3-4 | 3 cr. ea. |
| Physics 1-2 | 4 |
| Jewish Studies | 4 |
| Phys. Ed. 3-4 | ½ |
| Mathematics 11, 12..... | 3 |
| Drafting 1a-b | 1½ |
| Art 1; Music 1 | 1 |

 17
Junior Year

| | |
|------------------------------|-------------|
| Jewish Studies | 0-4 cr. ea. |
| Phys. Ed. 5-6 | ½ |
| Physics 11a, 12a | 4 |
| Mathematics 23-24 | 3 |
| Language | 0-3 |
| Economics 1; History 2 | 3 |
| Electives | 0-6 |

 16½-17½
Senior Year

| | |
|-------------------------|-------------|
| Jewish Studies | 0-1 cr. ea. |
| Phys. Ed. 7-8 | ½ |
| Physics 13, 14 | 3 |
| Mathematics 33,34 | 3 |
| Electives | 8-10 |

 15½-16½
Notes

1. Students who enter Mathematics 3-4 continue with Mathematics 23-24 in the sophomore year. They should take 33,34 in the junior year and 27,28 (or another course) in the senior year.
2. Prospective chemical engineers should postpone Physics 1-2 to the junior year and 11a, 12a to the senior year (and, if necessary, their language to the senior year) and should take Chemistry 11, 12 in the sophomore year and 13a, 14a in the junior year.
3. Science courses highly recommended as electives to be taken in the junior or senior years are Physics 19 and 19L and Mathematics 35-36.
4. Engineering electives in the senior year may include the following, if the schedule allows:

**Prospective field
of engineering**

Aeronautical
Chemical
Civil

Electrical
Engineering Physics
Industrial

Mechanical
Metallurgical

Courses to be taken at NYU or elsewhere

Mechanics of Materials
Intro. to Chemical Engineering
Mechanics of Materials, Surveying,
Descriptive Geometry
Principles of Electrical Eng. & Lab.
Principles of Electrical Eng. & Lab.
Manufacturing Methods
Mechanics of Materials
Principles of Electrical Eng.
Surveying
Principles of Electrical Eng. & Lab.
Nature of Solid State, Metallographic Lab.

} Depending
on
Option

Students in the Combination Plan take the courses listed above in the summer following their junior year, preceding their other courses at New York University.

ACADEMIC REGULATIONS

Students are responsible for contents and requirements in this Catalog and for official notices placed on the College Bulletin Board, **which should be consulted daily.**

The requirements in this Catalog apply to the classes of 1966 and after; students graduating before June 1966 are bound by the requirements in **Catalog 1959-61** and its supplements.

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. In particular, students should avoid being absent immediately before or after a holiday or vacation, as this is regarded as interfering with the collective interest of the College.

A record of each student's attendance in each class is kept, and each absence must be excused. Any unexcused absence renders the student liable to warning. Generally, a student's attendance record will be taken into account whenever there may be occasion to determine his status in the University. A statement should be filed with the Secretary of the Scholastic Standing Committee 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.

If a student's unexcused absences in a course exceed per semester the number of meetings per week of the course, he may be penalized by lowering of grade or reduction of credit. Lateness counts as half an absence.

Continued absence without excuse will result in dropping the student from the course with a grade of **G**. In addition, such students will render themselves liable to being placed on probation. 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 the College for any cause for more than half a semester, the semester will not be counted toward a degree and the student will not be allowed to take any of the examinations.

Examinations

No re-examinations are given. A make-up examination may be given only if a student is absent because of illness certified by a physician's note or some equally compelling cause. The fee charged each student for a make-up examination administered by the College Office is \$1.50 per hour.

A final examination may be postponed only on account of illness or some equally compelling reason which causes absence at the time of the examination or immediately preceding it or for a considerable portion of the semester. Whenever possible, permission to postpone a final examination must be obtained from the Dean of the College before the examination. Otherwise, the request for a make-up test should be made as soon as possible after the examination.

When a student does not avail himself of the privilege of postponement but takes the regular examination, his record must stand and will not be altered on the ground of illness.

When a student is absent from a test and the absence is due to illness or equally compelling cause, the absence is not counted against his record. The instructor of the course determines whether the test is to be waived or a make-up test given. If the absence is not of the above kind, the student's standing is to be determined by the instructor.

If a student arrives late at any examination and has no valid excuse for his lateness, he is given the test and permitted to do what he can in the remainder of the allotted time; he is not given any extension of time at the close of the examination.

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

Grades

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

| | |
|---|---|
| A Excellent | P Passed |
| B Good | R To continue course |
| C Fair | T (followed by B, C, D, or F)—Tentative grade |
| D Poor (lowest passing grade) | W Withdrew without penalty |
| F Failed | |
| G Dropped by student (counted as failure) | |

A tentative grade is given for incomplete work or absence from the final examination. The required work must be completed or the make-up test given within one month of the end of the semester. Unless the Office is informed by that time that the grade is to be changed, the tentative mark becomes the final one.

The mark of R is given in remedial courses when it is advisable that the student be continued in the class.

Withdrawal from courses requires the permission of the Dean. Unless this permission is obtained, the student receives a G, equivalent to failure, in those courses from which he has withdrawn. Except under unusual circumstances, withdrawal from a course is not allowed after the first month of sessions.

Academic Average

Each grade has a numerical value, as follows: **A**, 4; **B**, 3; **C**, 2; **D**, 1; **F**, 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 rating is computed by dividing the number of quality points earned by the total number of credits completed, including courses failed. The average is rounded to the third decimal place.

Grades achieved at other accredited American colleges and universities are averaged in with a student's record at Yeshiva College, provided that the grades are based on the same system as that of Yeshiva College.

Dean's Honor List

Each year, full-time students who have achieved a scholastic average of distinction are included on the Dean's Honor List, which classifies those listed as follows:

"With Honor": 3.400-3.599 average

"With High Honor": 3.600-3.799 average

"With Highest Honor": 3.800-above

Inclusion on the Dean's Honor List becomes part of the student's permanent record.

Honors at Graduation

Honors at graduation are determined as follows:

cum laude an average of 3.400 in all courses and the approbation of the faculty.

magna cum laude an average of 3.600 and the approbation of the faculty.

summa cum laude an average of 3.800 and the unanimous approbation of the faculty.

The above statement does not apply to students who have taken fewer than 94 credits at Yeshiva College. For them the grade of honors to be awarded, if any, will be specifically determined by the Scholastic Standing Committee.

Scholastic Standing

The College reserves the right to request at any time the withdrawal of any student who fails to maintain the required standard of scholarship (an average of at least 2.0).

In addition, every student must consistently conduct himself in a manner that gives evidence of high-mindedness and seriousness of purpose. The College reserves the right to request at any time the withdrawal of any student who indicates a lapse in this regard or who for any reason is considered by the College not in sympathy with its ideals. A student in this category may be asked to withdraw even though no specific charges are made against him.

Probation

Students may be placed on probation for any of the following causes: unsatisfactory scholastic record; unsatisfactory attendance record; unsatisfactory conduct; admission with a condition.

Students who are placed on probation because of unsatisfactory scholastic records may not take more than 12½ credits a semester nor participate in any co-curricular activities nor do any work for pay unless specifically permitted to do so by the Committee on Scholastic Standing. Students on probation for any reason may be declared ineligible for financial assistance. They are required to attend all classes and College exercises.

Probation serves as a serious warning to the student and his parents or guardian that his record is unsatisfactory and that significant improvement is expected. If such improvement does not occur in the semester during which the student is on probation, he will be dropped from the College.

Honors Work

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

- A. The student must be a senior or, with special permission, a junior.
- B. His academic average generally and in his major must be at least 3.4.

- C. He must submit a written outline of independent work he plans to do leading to the writing of the thesis. The study and the paper based on it must have a unity of plan and be specific enough for a scientific report, and must represent distinguished work.
- D. The topic must be in his major; he must present evidence that regular courses are not available or do not suffice for his needs. The student must have completed at least 18 credits in the subject before doing honors work.
- E. Two credits are granted for honors work, and the paper must require at least the same amount of work required in a regular two-credit course.
- F. The student must have a faculty sponsor under whose supervision he will work. This sponsor must be the senior professor of the subject or, in special cases, with the approval of the senior professor, another member of the staff. The student must also have the approval of the chairman of the appropriate division.

The required procedure is as follows:

1. At least two months before the end of the term previous to that during which the student plans to do his work, he must submit his request to the College Office on Form P20. This form provides space for a description of the project and for the recommendations of the faculty sponsor and the chairman of the division. The faculty sponsor also lists the examinations, if any, he requires of the student in addition to the paper.
2. The Scholastic Standing Committee considers every application and must give its approval.
3. At the end of the semester, the sponsor submits the student's thesis to the Office together with the grade for the course and critical comments on the student's work. The paper is filed in the Office, and the comments and grade are submitted to the Committee for its information.
4. Honors work is listed on the student's record as "(Subject) 63."

Credits for Enrollment in Classes

The minimum number of credits required for enrollment in each class is as follows:

| Class | Credits | Class | Credits |
|-----------------------|---------|--------------------|---------|
| Upper Freshman | 12 | Upper Junior | 78 |
| Lower Sophomore | 28 | Lower Senior | 94 |
| Upper Sophomore | 45 | Upper Senior | 111 |
| Lower Junior | 61 | Graduation | 128 |

No student, however, may be enrolled as a sophomore until he has removed all entrance conditions and completed all required freshman courses; and any student who is at any time carrying a sufficient number of credits to complete the total required for graduation will be registered as an upper senior.

A student will not be graduated until he has obtained all the credits prescribed and all his indebtedness to the University has been discharged.

Programs

Work Load The normal number of credits for a full semester's work is $15\frac{1}{2}$ to $16\frac{1}{2}$. A full-time student is defined as one who is enrolled for at least 12 credits during a semester.

Students on the Dean's List, and entering freshmen with superior records approved by the Admissions Committee, may register for $17\frac{1}{2}$ credits a semester, provided there is no objection from their religious studies division.

Students with averages between 2.0 and 3.4 may register for 17 credits a semester. In their senior year, such students may register for $17\frac{1}{2}$ credits a semester if in the judgment of the Registrar or the Dean the overload is justified.

Students whose averages are below 2.0 (or who go off probation with averages below 2.25) may register for only $12\frac{1}{2}$ credits a semester unless they receive permission from the Committee on Scholastic Standing for an increase.

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

Summer Work With permission of the Dean, students may take up to 6 credits each summer without reduction of program the following year. However, no student may graduate with less than 8 semesters of college work, excluding summers; and at least 24 of the student's last 35 credits must be taken at Yeshiva College.

General No credit is given for an elementary course taken after completing an advanced one. For example, no credit is given for French 01 or 02 if French 1 or any other higher-numbered French course was previously passed.

A student registering for a course for which he does not have the prerequisites may be denied grade and credit for the course.

A student who fails a required course (including $\frac{1}{2}$ and 1 credit courses) twice in succession may be dropped from the College.

No student may take any course at another school without written permission. Ordinarily, permission will not be granted to take courses in the student's major subject. Even with such permission, at least 18 credits in the major subject must be taken at Yeshiva College.

A student who has achieved a passing grade in a course may not retake it. In exceptional cases the Scholastic Standing Committee may give permission to a student who received a D to retake the course, provided that the student has not taken another course in the subject after receiving the D.

Graduate Courses

College seniors with acceptable records are permitted to take graduate courses for undergraduate credit at the Bernard Revel Graduate School, Harry Fischel School for Higher Jewish Studies, Graduate School of Education, and Graduate School of Science. The student must demonstrate that there is no suitable course that he can take on the undergraduate level and that the graduate class is a liberal arts course and one in which the instructor can test and grade undergraduates in accordance with College regulations. Courses in a major subject may not be taken unless written permission is received from the senior professor of the major.

A student who wishes to register for a graduate course must fill out Form P3, available in the College Office. It must be approved by the Dean of Yeshiva College and by the instructor of the graduate course and the chairman of the graduate department. The student then registers and pays for the course through the College Office in the normal manner. The admission permit issued to him is then to be presented to the office of the appropriate graduate school, which will give him a special admission card.

Under exceptional circumstances seniors may take graduate courses for graduate credit, in accordance with the regulations of the graduate schools. Interested students should consult the Registrar.

Miscellaneous

Leaves of Absence and Maintenance of Registration Students who are unable to return to the College because of illness or other personal reasons are advised to request a formal leave of absence if they expect to return to the institution at some future time. If they do not obtain such a leave, readmission may be denied.

Leaves of absence are ordinarily granted for only one semester, renewable for one additional semester.

A maintenance of registration fee must be paid while a student is on leave (see Tuition and Fees, page 45). This gives the student, if he desires, the privilege of continuing his course of study under the regulations in force at the time he was granted the leave.

Records and Transcripts A transcript will not be issued for a student without his written request, except to another school or to a government agency. In these cases, transcripts will be issued upon the request of the school or agency. A transcript will not be sent to an employer or prospective employer without permission of the student.

Records of students will be sent out only in the form of a transcript. No partial records will be sent, nor ones listing only courses without grades.

A change in the family name on a student's record requires presentation of a court order. Given names will be changed if a satisfactory explanation for the request is presented in writing.

Diplomas A duplicate diploma will be issued upon payment of \$5. The diploma will bear the date of graduation, but its face will be marked "This is a duplicate diploma, and was issued on (date)."

If an alumnus who has changed his name legally after graduation wishes a duplicate diploma, he will receive it with his changed name on the face, but a notation will be made on the back stating: "This diploma is issued in lieu of one originally issued to this person under the name of....."

General The College is not equipped to transmit personal telephone messages to students except in dire emergency. Students should instruct their friends and family not to telephone them at the College.

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 College Office any other injury suffered on the College premises.

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.

No student may use the name of the University in print for any purpose, including identification, without written permission of the College Office.

If the instructor does not appear within 10 minutes of the starting time of a class, the class is to send a representative to the College Office for instructions. If the Office is closed, the class is permitted to leave after 20 minutes.

STUDENT WELFARE AND ACTIVITIES

Housing

Those undergraduates who do not live with their parents or relatives are expected to reside in the University dormitory. The modern Leah and Joseph Rubin Residence Hall, constructed at a cost of \$1,500,000, is located on the Danciger Campus. It houses about 350 students and serves as the social and recreational center of the College. A full-time supervisor, residing there with his family, oversees the operation with a staff of assistants. The Dining Room of the Residence Hall serves three meals daily in strict accordance with the laws of kashrut.

Another undergraduate dormitory is presently under construction.

Health Service

The University Physician provides each student with a physical examination upon admission. Thereafter, health advice and consultation are available whenever needed. A student suffering from any illness or physical disability is expected to report to the University Physician immediately so that the latter may be aware of it, even if the student is to be treated by physicians outside the University. A fully equipped medical office is maintained on the ground floor of the Leah and Joseph Rubin Residence Hall.

Guidance Program

The Guidance Counselor, assisted by faculty advisers, attempts to help students solve their academic and personal problems. Personal contact is established with each student through interviews and group discussions. Placement tests are used whenever desirable. So that incoming students might be introduced to college life under the most favorable conditions, entering freshmen are required to attend, in the week preceding the opening of classes, an orientation program consisting of advisement, placement and psychological tests, and socials. Each freshman is also required to take the orientation course described on page 79. With this course as a foundation, guidance and service are continued during the student's entire college career.

Auxiliary Services

Students may make full use of the University's Auxiliary Services. Among those most helpful are:

Audio-Visual Center In addition to producing material for the general public, the Center conducts courses at the College which provide students with the opportunity to learn how to use audio-visual methods and equipment in teaching and youth work. It also sponsors a film society and film forums which invite the participation of interested students.

Psychological Center The Center administers and evaluates the aptitude and psychological tests given to new students as part of the orientation program. Students who seek guidance can be referred to the Center.

Community Service Division The Division, in addition to its activities designed to help the Jewish community at large, conducts a placement bureau which aids students in finding part-time and summer jobs and helps graduates find permanent employment.

These and other resources of the University are described in detail in the Bulletin of General Information, available upon request.

Co-curricular Activities

Although all students at Yeshiva College follow a dual program of general and Jewish studies, many co-curricular activities are available. They are designed to afford means of self-expression and to integrate the varied aspects of Yeshiva College life informally through group and team activities.

Student Government The Student Council is the chief body dealing with matters affecting students and their relationships with University authorities. It is composed of elected representatives from the four classes.

Athletics Athletic activities are designed to encourage the participation of every able-bodied student, whether in varsity sports or in the comprehensive intramural program.

Varsity sports with intercollegiate schedules are basketball, wrestling, fencing, and tennis. The University is a member of the National Collegiate Athletic Association; Tri-State Collegiate Basketball League; Eastern College Athletic Conference; Metropolitan College Tennis Conference; and Metropolitan Association, Amateur Athletic Union of the United States.

Clubs A number of clubs, some inspired by classroom work, meet regularly during the school year. Among them are the Chemistry Club, Eranos (classical languages and history), International Relations Society, Literary Society, and Sociology Club. Five national honor fraternities have chapters at the College—the Gamma Delta chapter of Eta Sigma Phi provides recognition to honor students in the classical languages; the Alpha Omega chapter of Pi Delta Phi, in French; Psi Chi's chapter, in psychology; Tau Kappa Alpha, in debating; and Pi Mu Epsilon, in mathematics. The Debating Society and Chess Team participate in intercollegiate competition.

Co-operative Store Operated by students, the "Co-op" sells books, supplies, records, and electrical equipment at reduced rates.

Dramatic Presentations Opportunities are afforded students for dramatic expression in the varsity shows and in annual class competitions held at the Dean's Reception.

Music In addition to offering the music courses listed in this catalog, the University Music Department conducts several co-curricular activities. The instrumental and choral groups enable students to participate in musical programs, and a voice clinic provides individual vocal consultation. There are facilities for piano practice and other instruments (mainly violins) may be borrowed. The department's Music Library, containing books, music, and records, is open to those engaged in music study. Students may also use the facilities of the University's Cantorial Training Institute.

Publications Students edit and publish several newspapers, yearbooks, and other publications under the guidance of faculty advisers. The student newspaper is **The Commentator** and the yearbook is **Masmid**. The French Club publishes **Le Flambeau**, a journal concerned with French and Jewish culture.

Yeshiva College Alumni Association

Through June 1962, Yeshiva College granted 2,000 Bachelor of Arts degrees. Among its graduates are many distinguished leaders of the American Jewish community. The Yeshiva College Alumni Association enables graduates to maintain close relationships with fellow students and faculty members and to aid in the development of the College. Through meetings, dinners, and periodicals, members keep abreast of University affairs and share mutual professional interests.

The operations of the Yeshiva College Alumni Association and all other University alumni groups are co-ordinated by the Department of Alumni Activities, Yeshiva University, Amsterdam Avenue and 186th Street, New York 33, N. Y.

ADMISSION

Applications

Where to Apply All correspondence on matters of admission to Yeshiva College should be addressed to the Director of Admissions, Yeshiva University, Amsterdam Avenue and 186th Street, New York 33, N. Y.

How to Apply Candidates for admission must file an application for admission, available from the Office of Admissions. They must also arrange to have a transcript of their high school record and their scores on the required tests of the College Entrance Examination Board (CEEB) forwarded to the Office of Admissions.

All applicants are required to report for an interview, given either at the University or by its representative in their vicinity.

When to Apply Candidates may apply any time after completion of their junior year of high school, but not later than April 15 of the senior year, for admission in the September following their graduation. (No regular freshman class is admitted in February.)

Early Decision Plan Action is normally taken on applications upon receipt of grades for the first half of the senior year. Under the Early Decision Plan, however, superior students may be admitted on the basis of their record through the junior year, provided that they also score above average on the Scholastic Aptitude Test of the CEEB. Students desiring an early decision should file their applications by September of their senior year and take the Scholastic Aptitude Test in May of their junior year or the following August.

Requirements

Units An applicant for admission to Yeshiva College must be a graduate of an academic high school. He 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 at least 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.) Of these 16 units, 10½ are required, as follows:

| | |
|---|----|
| ENGLISH (four years required)..... | 4 |
| MATHEMATICS (*college preparatory)..... | 2½ |

* College preparatory mathematics should include topics selected from algebra and geometry (demonstrative and analytic). The point of view should be in harmony with contemporary mathematical thought, and emphasis should be placed upon basic concepts and upon the principles of deductive reasoning regardless of the branch of mathematics from which the topic is chosen. Courses designed for other purposes (e.g., consumer mathematics, business mathematics, shop mathematics) are not acceptable.

| | |
|--|---|
| FOREIGN LANGUAGE (two years of one language)..... | 2 |
| HISTORY (American, European, or World)..... | 1 |
| SCIENCE (General Science, Biology, Chemistry, or Physics)..... | 1 |

The remainder of the 16 units required for admission may be chosen from any college preparatory subjects, with no more than 1½ units to be presented in commercial subjects.

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

Conditions High school graduates presenting 16 units of work but lacking one of the course requirements listed above may be admitted on a conditional basis. Such students must satisfy the condition by the end of the first year to be eligible to return for the sophomore year. Exceptions may be made to this rule for foreign students entering with a condition in American History. The regulations concerning admission with conditions are available on request to the Director of Admissions.

Average To qualify for admission to Yeshiva College, a candidate must present a high school average of **B** or its equivalent. If the college recommendation grade of the high school from which the student comes is higher than a **B**, the student must meet that grade. The above average is the weighted average, which includes Regents grades in New York State. In addition, the average of all grades in English and the average of grades in Social Studies should each be at least **C+** or the equivalent.

The Admissions Committee may require higher averages from students who come from schools whose academic standards are not known to the Committee or are believed to be low.

College Boards All applicants must take tests given by the CEEB. The results of these tests supplement the high school grades in determining admission, and are also used for placement and guidance.

All candidates must take the Scholastic Aptitude Test, English Writing Sample, English Composition Test, Hebrew Achievement Test, and at least one other achievement test, any one the student wishes. (Pre-engineering students should take a test in mathematics. Students who have not attended a Jewish high school or have not studied Hebrew in high school are to substitute a different test for the one in Hebrew.)

The tests are given at various locations and at various times throughout the year. The College prefers that applicants take the Scholastic Aptitude Test and the English Writing Sample in December, and the English Composition Test and other achievement tests in January. While these tests are usually given on Saturday, Jewish students, upon request, are permitted to take them the following day. Those who live in or near New York City are requested to take the tests at the College. Full information is available on request to the Director of Admissions.

Other Requirements The Admissions Committee also considers the character, personality, and contributions to school life of applicants in deciding on their admission.

Admission with Advanced Standing

Transfer Students Applicants who have already attended another college must satisfy the same requirements as applicants who come directly from a high school, including the requirement of the CEEB tests. However, students who have taken 30 or more credits at another accredited college and have secured high grades may be excused by the Admissions Committee from taking the Achievement Tests. Such applicants must be in good standing at the college from which they come, both in scholarship and character.

No credit is given for any course transferred from another college with a grade below C, nor for any subject which is technical or commercial or in any way not ordinarily classified as liberal arts. All evaluations of work done in other institutions are tentative and subject to re-evaluation within one year.

No credit toward the degree of Bachelor of Arts or Bachelor of Science is granted for rabbinical ordination. However, an applicant who has ordination is examined in Hebrew and Bible, and on the basis of this examination may be granted a maximum of 12 credits in Hebrew and 8 in Bible.

Veterans A veteran honorably discharged from the armed forces of the United States with service of at least 1 year may be granted 4 credits for completion of basic training and military service—2 in lieu of Hygiene 1-2 and 2 in lieu of Physical Education 1-4. Veterans with at least 2 years of service may be allowed an additional 2 credits in lieu of Physical Education 5-8.

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

Advanced Placement Program Freshmen of high attainments and superior secondary school preparation may qualify for advanced placement in a number of subjects by earning high scores on the Advanced Placement Examinations of the CEEB. 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 these examinations, which are given in the following subjects: American history, biology, chemistry, English, European history, French, German, Latin, mathematics, physics, and Spanish. Grades on these tests are reported on a five-point scale; 1 indicates failure and 5, high honors. The examination papers of an applicant who receives a grade of 2 or higher are submitted to the College instructors who teach the equivalent courses. The instructors examine the papers and interview the student to determine the extent of his knowledge and decide whether the advanced courses he has taken actually correspond to the Yeshiva College courses. If the instructors are satisfied, the student may be exempted from the courses. If the instructors desire, the exemption may be granted on the condition that the student take an advanced course in the College in the same subject. If a student has achieved a score of 3 or higher, the instructors may authorize the granting of college credit equal to the credit value of the Yeshiva College course whose equivalent the student has completed, provided that this equivalent course was not used to meet requirements for graduation from high school. A student may be granted advanced placement in several subjects but will be given credit only for one.

These examinations are administered during the second week of May at centers throughout the country. Students who wish to take them must register not later than the first week of April. Application blanks and copies of the Bulletin of Information may be obtained by writing to:

Advanced Placement Examinations
College Entrance Examination Board
P. O. Box 592
Princeton, N. J.

Under exceptional circumstances, advanced placement may also be granted for passing the college-level tests of General Educational Development in accordance with the procedures described above.

Foreign Applicants

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.

The procedure to be followed in such cases is given on a separate form entitled "Evaluation of Foreign Credentials," which is available on request to the Director of Admissions.

Applicants Who Are Not High School Graduates

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, in addition to performing well on the College Entrance Examination Board Tests, they also pass the High School Equivalency Examination administered by New York State (commonly called the "GED test"). While the passing mark is a 45 average, the minimum required by Yeshiva College for admission is 50, with a minimum of 35 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.

Categories of Students

Regular Students Students admitted with regular programs and working toward degrees are classified as Regular.

Provisional Students Students admitted with conditions or who have been placed on probation because of poor academic records are classified as Provisional. Students admitted as Provisional are bound by any changes in degree requirements made prior to their attainment of Regular status. Students who do not make up their conditions within the time limits set by the Office of Admissions are not permitted to re-register.

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, may be admitted as Transient Students, with the permission of their home school.

Unclassified Students Students 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 pending the filing or evaluation of their credentials. They are designated as Unclassified, a status which may be continued for a period not exceeding one semester, and are treated as provisional students. Such students enroll at their own risk, and may be dropped at any time if their complete records are not acceptable or are not available.

Irregular Students Applicants who meet the quantitative requirements for entrance but not the qualitative requirements may be admitted as Irregular Students. Such students are not recognized as degree candidates but are allowed credit for courses successfully completed.

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.

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

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 do regular class work and is not given any examinations; he receives no grade and no record of his auditing is kept, so that no transcript can be issued nor any kind of credit or recognition given.

STUDENT FINANCES

Tuition and Fees

| | |
|---------------------------------|-----------------------------------|
| Tuition | \$1,200.00 per year |
| Dormitory Rental | 350.00 per year |
| Dormitory Registration Fee | 20.00 per year |
| University Registration Fee | 65.00 per year |
| Maintenance of Registration | 20.00 per semester |
| | 35.00 per year |
| Student Activities Fee | 10.00 per year |
| <i>Laboratory Fees</i> | |
| Chemistry 13, 14 and 13a, 14a | 30.00 per course, per semester |
| All other chemistry courses | 25.00 per course, per semester |
| All other laboratory courses | 20.00 per course, per semester |
| Make-up Examination Fee | 1.50 per hour of testing |
| Change of Program Fee | 2.00 per course |
| Late Academic Registration Fee | 2.00 per course |
| Late Financial Registration Fee | 5.00 per semester |
| Transcript of Record | 1.00 per transcript or evaluation |
| Application for Scholarship | 15.00 |
| Graduation Fee | 25.00 |

Part-time Students Part-time students (those taking less than 12 credits a semester) are charged \$40 a credit.

Payment Procedure Tuition, Dormitory charges, and all applicable fees must be paid in advance of each semester during the period of registration. Students who withdraw

from the school with the approval of the Dean no later than the last day to drop courses may receive a refund of 75% of their tuition or Dormitory rental payment upon written application to the Office of the Bursar. Students who withdraw after that date are responsible for their tuition and Dormitory rental charge for the entire semester. Under no condition are fees (other than tuition or Dormitory rental) refunded.

The laboratory fee includes the cost of consumable supplies and the normal wear and tear on equipment. Students whose breakage exceeds the usual amount are charged for the excess.

Tuition Plan, Inc. enables students to remit tuition and Dormitory charges in eight equal monthly payments during the academic year. Through this optional program, expenditures may be spread over eight months at a cost of only 4% of the total charge. For further details, contact the Office of the Bursar, Yeshiva University, Amsterdam Avenue and 186th Street, New York 33, N. Y.

Living Expenses

With the exception of tuition, fees, and Dormitory rental, living expenses at Yeshiva College are individual matters. Such personal items as food and clothing expenses are naturally subject to a great deal of variation. Meals in the Dining Room of the Leah and Joseph Rubin Residence Hall are served cafeteria style.

Many students find jobs during summer vacations. 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. Students should bear in mind, however, that the dual curriculum severely limits the time available for part-time employment during the academic year.

Financial Aid

By utilizing the University's comprehensive programs of scholarships and loans, all qualified students can enroll at Yeshiva College regardless of their ability to pay.

Yeshiva University Scholarship Program The basic criteria for any scholarship grant by the University are scholastic ability, character, and need as determined by an objective analysis of the applicant's financial position. University scholarships are granted for the academic year and are renewable annually.

Yeshiva University's policy of fair and equitable distribution of scholarship funds is furthered by its association with the College Scholarship Service of Princeton, New Jersey, a co-operative organization of more than 400 leading colleges. The Service

evaluates the student's scholarship application and makes an objective recommendation which assists the University in determining the amount of any scholarship grant.

Students seeking financial assistance from Yeshiva University are required to submit, in addition to the Application for Admission, an Application for Scholarship. The Scholarship Application consists of a formal application as well as a Parents Financial Statement. It is highly advisable for prospective students to file their Scholarship Application at the time they apply for admission. Forms are available from the Office of the Bursar or the Office of Admissions.

Other Scholarship Programs Students planning to enter Yeshiva College may apply for scholarships granted by industrial corporations and government agencies. Awards are made on the basis of competitive examinations. Among these are: National Merit Scholarships, New York State Regents College Scholarships, General Motors National Plan, General Motors College Plan, New York City Mayor's Committee on Scholastic Achievement, Philadelphia School System Scholarship.

Student Loans Students should recognize and assume their share of the financial responsibility for a higher education. The ever-increasing college costs can be met only if all who benefit share the burden. For the things we need to fulfill and enrich our lives, payment over a period of time is not only justified but essential. More and more students, therefore, have been using loans to pay for their education out of future earnings.

National Defense Student Loan Program The National Defense Student Loan Program was established by the National Defense Education Act of 1958 "to insure trained manpower of sufficient quality and quantity to meet the national defense needs of the United States." It provides for the creation, at American colleges and universities, of loan funds from which needy students may borrow up to \$5,000 during their entire course of study. Funds are made available to students under extremely liberal repayment terms to assist them with their educational expenses.

New York State Higher Education Assistance Corporation The New York State legislature has established the Higher Education Assistance Corporation to grant student loans to State residents who have the desire for a college education. The plan enables students to receive low-cost commercial bank loans with liberal repayment provisions.

Further information is found in the publication **Scholarships**, which may be obtained from the Office of the Bursar, Yeshiva University, Amsterdam Avenue and 186th Street, New York 33, N. Y.

DESCRIPTION OF COURSES

Definitions

For the convenience of students, certain terms frequently used in this section of the catalog and elsewhere are defined below:

| | |
|--------------------------|---|
| Corequisite | A requirement which must be met at the same time that a certain course is taken. Thus, a student who wishes to take Biology 14L must take Biology 14 simultaneously. |
| Colloquium | A reading course on important books, with group discussion led by a panel of experts from different subject areas. |
| Elective | A course which a student may choose to take, as distinguished from a prescribed course, which he must take. |
| Intersession | The period between semesters. A short intensive course given at the very beginning or very end of the summer is known as an intersession course. |
| Prerequisite | The preliminary requirement which must be met before a certain course can be taken. Thus, English 1 is a prerequisite for all other courses in English and must be successfully completed before other English courses are taken. |
| Prescribed course | One required for graduation, either for all students or those in a particular major or area of study. |
| Section | A division of a course, as between one or more instructors, but having the same subject matter, such as History 1 sections D and G. |
| Transcript | A certified unabridged copy of the student's academic record. |

General Comments

Subjects are listed alphabetically. The credit value of each course is listed following its description; unless otherwise stated, one credit is granted for one academic hour of work a week during a semester.

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 every year; certain courses are given only once in two or three years.

In general, an odd number indicates that a course is given in the fall; an even number, in the spring.

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., Education 51-52).
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., Bible 37, 38).
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., English 19; 20).

ARABIC

Properly qualified upperclassmen may receive permission to take the following course as an elective at the University's Bernard Revel Graduate School:

SL 201-2 Elementary Arabic

2 credits each semester

ART

1 Introduction to Art

Development of an appreciation and understanding of the pictorial arts; the elements of painting, sculpture, architecture, and other arts, illustrated with color slides; masterpieces of representative styles and periods analyzed as individual works and as expressions of the cultures that produced them.

2 hours; 1 credit

18 Art from the Renaissance to 1800

History of painting, sculpture, and architecture from the Renaissance through the 18th century; slide illustrations and visits to the City's museums of art.

2 credits

Prerequisite: Art 1 or permission of the instructor

19 19th Century Art

Pictorial arts from about 1800 to the turn of the century; the successive movements and ideologies in their social and cultural surroundings: neoclassicism, romanticism, realism, impressionism, and postimpressionism.

2 credits

Prerequisite: Art 1 or permission of the instructor

20 20th Century Art

Contemporary movements: fauvism, cubism, futurism, dadaism, surrealism, non-objective art, and abstract expressionism; emphasis on Picasso, Matisse, and Chagall.

2 credits

Prerequisite: Art 1 or permission of the instructor

22 Esthetics

Historical and contemporary concepts of art and criticism; analysis of form, media, and content in painting, architecture, sculpture, music, and literature; the arts in their interrelation.

2 credits

Prerequisite: Art 1 or permission of the instructor

23 Art Criticism

Methods of analysis and interpretation applied to works of art; museum visits.

2 credits

Prerequisite: Art 1

24 Jewish Contributions to Art

Jewish contributions to art and Jewish motifs in art; emphasis on contemporary expression and the art of Israel.

2 credits

Prerequisite: Art 1 or permission of the instructor

63 Honors

For the description of this course, see page 33.

BIBLE**1 through 8 The Hebrew Bible: Text and Commentaries**

Reading of the Hebrew text; philological and exegetical analysis, based on medieval commentators and Midrashic expositions.

1 Minor Prophets except Hosea

5 Psalms

2 Jeremiah and the Five Megilloth

6 Job

3 Proverbs

7 Isaiah

4 Ezekiel and Hosea

8 Daniel and Ezra-Nehemiah

2 hours; 1 credit each semester

Prerequisite or corequisite: for Bible 1;2—Hebrew 1a-2a; for Bible 3 to 8—Hebrew 1-2

37, 38 Aramaic

For the description of this course, see Hebrew 37, 38.

BIOLOGY

Major: Biology, 24 credits; Chemistry 1-2, Mathematics 1-2 (or 3-4).

Recommended: Chemistry 13a, Physics 1-2.

1-2 General Biology

Basic principles of biology; emphasis on forms selected from the different plant and animal groups.

2 lecture and 4 laboratory hours; 4 credits each semester

1a-2a Biology for Non-Science Majors

Scientific methods and their applications to the important problems of biology.

2 lecture and 2 laboratory hours; 3 credits each semester

11a-12a Comparative Vertebrate Embryology and Anatomy

Development and structure of the various systems of the vertebrates.

2 lecture and 4 laboratory hours; 4 credits each semester

Prerequisite: Biology 1-2

14 Genetics

The laws of heredity, variation, natural and artificial selection, inheritance of acquired characteristics, theory of the gene, human genetics and eugenics.

Biology majors who elect this course must take Biology 14L simultaneously.

2 credits

Prerequisite: Biology 1-2

14L Genetics Laboratory

Correlation of cytological observations and breeding experiments with the help of elementary biometric analysis.

4 laboratory hours; 2 credits

Corequisite: Biology 14

15 Histology

Microscopic study of animal tissues and organs, with practice in the more usual methods of histological technique.

2 lecture and 4 laboratory hours; 4 credits

Prerequisite: Biology 1-2

(16 Invertebrate Zoology)

2 lecture and 4 laboratory hours; 4 credits

Prerequisite: Biology 1-2

17 General Physiology

Principles of physiology necessary for the study of the organs and systems; methods of physiology; cellular organization, physical and chemical nature of protoplasm, hydrogen-ion concentration, osmosis, permeability, enzymes, cellular oxidation-reduction, electrical activity of cells, excitability, contractility.

2 lecture and 4 laboratory hours; 4 credits

Prerequisite: Biology 1-2. A knowledge of elementary chemistry and physics is desirable

(18 Vertebrate Physiology)

2 lecture and 4 laboratory hours; 4 credits

Prerequisite: Biology 17

(19 General Botany)

2 lecture and 4 laboratory hours; 4 credits

Prerequisite: Biology 1-2

(20 Plant Physiology)

2 lecture and 4 laboratory hours; 4 credits

Prerequisite: Biology 19

23, 24 Microbiology

Structure, development, identification, and control of bacteria, yeasts, molds, and protozoa, with analytical laboratory procedures and experimental methods of research; emphasis in the second semester on the physiological properties of microorganisms important to the fields of applied microbiology: food, agriculture, and medicine.

2 lecture and 4 laboratory hours; 4 credits each semester. With permission of the instructor, the lectures alone may be attended for 2 credits each semester

Prerequisite: Biology 1-2

63 Honors

For the description of this course, see page 33.

CHEMISTRY

Major: Chemistry 1-2, 11, 12, 13, 14 (15, 16 may be substituted for 14); Mathematics 11, Physics 1-2.

Recommended: Mathematics 12 and 13. Although not required for the major, Physical Chemistry is a requirement for graduate courses in many institutions and students are strongly urged to take it.

1-2 Elementary Inorganic Chemistry

Basic facts and theories, with an introduction to scientific methods and laboratory techniques.

3 lecture and 3 laboratory hours; 4 credits each semester

Prerequisite or corequisite: Mathematics 1-2 (or 3-4)

1a-2a General Chemistry for Non-Science Majors

Basic principles of the science, with emphasis on the inorganic field; special attention to the correlation of chemistry with physics and biology; laboratory work, including experiments of practical interest in the inorganic and organic fields and also in biochemistry and physical chemistry.

Chemistry 2 (without credit) will be required for students who have completed this course and desire to take advanced courses in chemistry.

3 lecture and 3 laboratory hours; 4 credits each semester

11 Advanced Inorganic Chemistry

Chemical equilibria, atomic structure, and complex ions; laboratory work in qualitative analysis.

3 lecture and 5 laboratory hours; 5 credits

Prerequisite: Chemistry 2

12 Quantitative Analysis

Principles and practice in the analysis of inorganic compounds; experiments in various techniques of volumetric and gravimetric analysis.

3 lecture and 5 laboratory hours; 5 credits

Prerequisite: Chemistry 11

13, 14 Organic Chemistry

First semester: aliphatic compounds; second semester: aromatic compounds; in addition to organic synthesis, laboratory work includes elementary organic qualitative analysis.

3 lecture and 6 laboratory hours; 6 credits each semester

Prerequisite: Chemistry 12

13a, 14a Organic Chemistry for Biology and Premedical Students

2 lecture, 1 recitation, and 4 laboratory hours; 4 credits each semester

Prerequisite: Chemistry 11

15, 16 Physical Chemistry

The general laws of physical chemistry.

3 credits each semester

Prerequisite: Chemistry 12, 13; Physics 1-2; Mathematics 11, 12

15L, 16L Experimental Physical Chemistry

Experiments in physical chemistry to accompany Chemistry 15, 16.
4 laboratory hours; 2 credits each semester

19 Instrumental Analysis

Latest methods of analysis, utilizing the spectrophotometer, polarograph, glass electrode pH meter, Dubosq colorimeter, potentiometer, Abbe refractometer, polarimeter, and ion exchange columns.

1 lecture and 4 laboratory hours; 3 credits

Prerequisite: Chemistry 11, 12 or 13, 14 or 13a, 14a and permission of the instructor

(21; 22 History of Chemistry)

Major discoveries in chemistry and the development of its basic theories.
2 credits each semester

Prerequisite: Chemistry 1-2

63 Honors

For the description of this course, see page 33.

CLASSICAL LANGUAGES

Major: Latin, 2 years (not including 01-02); Greek, 2 years; such additional courses, not exceeding 15 credits, as may be prescribed by the instructor for the individual student.

Greek**01-02 Elementary Course**

Emphasis on understanding Greek literature in the original, with grammar employed only as a means toward that end. First semester: parallel Biblical passages in the Septuagint, in Josephus' *Targum*, and in Philo; second semester: Plato's *Apology* and *Crito*, with discussion of his influence on Philo.

3 credits each semester

1-2 Masterpieces of Greek Poetry

First semester: selections from Homer's *Iliad*; second semester: one play of each of the tragedians—Aeschylus, Sophocles, and Euripides.

3 credits each semester

Prerequisite: Greek 01-02

3-4 Advanced Course

Content to vary with the needs and interests of the class; the course may be taken for two or more successive years.

3 credits each semester

Prerequisite: Greek 1-2 or equivalent

63 Honors

For the description of this course, see page 33.

Latin**01-02 Elementary Course**

First semester: preparation for reading Latin literature as soon as possible; second semester: selections from Latin literature, particularly Caesar and Cornelius Nepos.

3 credits each semester

1-2 Cicero and Virgil

First semester: the orations of Cicero the lawyer and statesman, with their relation to Roman history, politics, law, and literature; second semester: selections from the *Aeneid*, with emphasis on its poetic qualities and on Virgil's status and influence.

3 credits each semester

Prerequisite: two years of high school Latin or Latin 01-02

3-4 Advanced Course

Content to vary with the needs and interests of the class; the course may be taken for two or more successive years.

3 credits each semester

Prerequisite: Latin 1-2 or equivalent

63 Honors

For the description of this course, see page 33.

DRAFTING**1a-b Engineering Drawing**

Use and maintenance of drawing materials and instruments; the reading of drawings; lettering, dimensioning, tracing, and orthographic projection including auxiliary projections, sections, pictorial representation, detail, assembly, and construction drawings.

1 lecture and 2 laboratory hours; 1½ credits each semester

(2 Descriptive Geometry)*3 credits**Prerequisite: Drafting 1a-b***ECONOMICS**

Major: Economics 1, 2, 13; 14, 45, 46, and an additional 12 credits in Economics; any two of the following—(1) History 2 or 6 (2) Political Science 1 (3) Sociology 1.

***1, 2 Economic Principles and Policies**

First semester: supply and demand; theory of the firm in perfectly and imperfectly competitive markets; application to contemporary economic problems, with emphasis on the relationship of government to industry and agriculture; market determination of distribution of income to factors of production; international trade: theory and policy.

Second semester: national income accounting; theory of income determination; fluctuations in aggregate economic activity; full employment through government monetary and fiscal policy; inflation; economic growth and development of backward areas.

*3 credits each semester***13; 14 History of Economics**

First semester: continuity of economic thought from medieval times to the end of the 19th century; the English classical doctrine and its variants; critical schools and reformists. Second semester: logical and sociological components in the development of modern economic thought; neoclassicism; American institutionalism; qualitative economics; modern equilibrium school; Keynes and macro-economics.

*3 credits each semester**Prerequisite: Economics 12***16 History of European Capitalism**

Origin and development of capitalism as a framework of social organization; interpretation of the evolution of capitalism; articulation of history and theory.

*3 credits**Prerequisite: Economics 1***21 Demography**

For the description of this course, see Sociology 11.

3 credits

* Economics 2 was numbered 12 until June 1962.

22 Labor Economics and Relations

Labor's place in the American economy; factors affecting supply and demand for labor; wage determination; unionism as a response to labor problems; public policy toward labor.

3 credits

Prerequisite: Economics 1

25 Corporation Finance

Principles and practices in organizing and operating a successful business enterprise, with emphasis on the problems of small and medium-size business units: sources of capital, banking and credit accommodations, market for securities, financial statements and reports, combinations, bankruptcy reorganizations, social problems of corporate finance.

3 credits

Prerequisite: Economics 1

26 Public Finance

Principles of public finance; income tax on individuals, corporations, and partnerships; constructing and presenting a budget; management of public debt and economic stabilization policy; current economic thought on taxation and public debt.

3 credits

Prerequisite: Economics 1

27 Economic History of the United States

American economic institutions and attitudes, with emphasis on the factors responsible for the growth of the American economy and for conflicts between economic groups.

3 credits

Prerequisite: Economics 1

28 Business Cycles

Main factors responsible for fluctuations in income, output, and employment; leading business cycle theories as explanations of actual business behavior; the practical effectiveness of proposed remedies.

3 credits

Prerequisite: Economics 1

29 Money and Banking

Nature of money; organization and functioning of the commercial banking system, Federal Reserve system, and other monetary institutions; relation of public policy and economic activity to money and credit.

3 credits

Prerequisite: Economics 1

32 Economic Analysis

Tools of economic analysis; means for measuring prices, level of employment, output, and income; appraisal and evaluation of analytical procedures.

3 credits

Prerequisite: Economics 1

35 Comparative Economic Systems

Price system, central planning, and economic problems of the United States, Great Britain, the Soviet Union, and underdeveloped countries; their economic organizations compared with abstract conceptions of capitalism, socialism, and communism.

3 credits

Prerequisite: Economics 1

36 The Economics of the Middle East

3 credits

Prerequisite: Economics 1

45, 46 Statistical Methods

For the description of this course, see Sociology 45, 46.

3 credits each semester

63 Honors

For the description of this course, see page 33.

***EDUCATION**

**Psychology-Education Major: Psychology 1, 13, 16, 36, 45, and either 35 (for prospective elementary school teachers) or 38 (for prospective junior or senior high school teachers); Education 11, 12, 21, 51-52, and either 25 (for prospective elementary school teachers) or 32 (for prospective junior or senior high school teachers).

11, 12 History and Philosophy of Education

Backgrounds of education from ancient times to the present, and major philosophies underlying educational theory and practices; implications for modern principles and procedures.

2 credits each semester

Prerequisite: History 1; 2 or upper sophomore status

* Qualified upperclassmen may receive permission to take additional courses in the University's Graduate School of Education.
 ** Although completion of these courses satisfies College requirements, they do not meet minimum requirements for teaching certificates in most states since the dual program at Yeshiva College does not allow for student teaching, which is generally required for a teacher's license. Nevertheless, all these courses are currently being accepted toward partial fulfillment of the requirements for teaching certificates in most states. Students planning to enter teaching must assume the responsibility for determining the requirements in their specific fields of specialization in the states of their choice.

16 Psychology of Learning

For the description of this course, see Psychology 16.

21 Principles and Problems of Education

Current educational trends and practices, evaluated in terms of their psychological soundness and their success in meeting the needs of children in a democratic society; role of the school in the modern community.

3 credits

Prerequisite or corequisite: Education 16

25 Methods and Materials in Childhood Education

General introduction to teaching elementary school children. Curriculum, methods, use of materials, general problems.

2 credits

Prerequisite: Education 21

32 Problems and Methods in Secondary Education

Aims and objectives of secondary education, and principles and methods of teaching in secondary schools; the psychology of adolescence and its implications for the teacher.

2 credits

Prerequisite: Education 21

51-52 Audio-Visual Education

Special methods and materials of visual and auditory techniques in the learning process; laboratory experience with both visual and auditory equipment.

3 hours; 2 credits each semester

Prerequisite: Psychology 16 or permission of the instructor

63 Honors

For the description of this course, see page 33.

ENGLISH

Major: English, 24 credits (not including 1-2);
History 1;2, Philosophy 9-10.

C Remedial Written English

Prescribed for those students who do not meet the standards in mechanics required in English 1-2; the student's difficulties are analyzed and a program of work fitted to his individual needs. Satisfactory completion of this course is a prerequisite for graduation.

Individual conferences; no credit

1-2 Composition and Rhetoric

Training in the correct and effective use of English; work directed toward the development of the student's powers of observation, reflection, and co-ordination, as well as his command of formal correctness; frequent themes emphasizing the elements of composition.

3 hours and conferences; 3 credits each semester

3-4 Survey of English Literature

History of English literature from its beginnings through the 19th century, accompanied by a study of masterpieces illustrating the various literary periods.

3 credits each semester

Prerequisite: English 1-2

11; 12 Shakespeare

First semester: histories and comedies; second semester: the tragedies; supplementary reading among his contemporaries.

3 credits each semester

Prerequisite: English 3-4

15; 16 English Literature in the 17th Century

Men of letters and the main trends of English literature from the accession of James I to the accession of Queen Anne; literary works and trends viewed against the social, political, and intellectual background of the century.

3 credits each semester

Prerequisite: English 3-4

17; 18 English Literature in the 18th Century

Philosophy, poetry, and prose in the Age of Pope and the Age of Johnson.

3 credits each semester

Prerequisite: English 3-4

19; 20 Romantic Poetry

First semester: Wordsworth, Coleridge, and Keats; second semester: Byron and Shelley.

3 credits each semester

Prerequisite: English 3-4

21; 22 Victorian Poetry

First semester: Tennyson; second semester: Browning.

2 credits each semester

Prerequisite: English 3-4

23, 24 Contemporary Literature

Literature of the 20th century, with emphasis upon the more conspicuous literary schools and styles.

2 credits each semester

Prerequisite: English 3-4

25, 26 American Literature

Development of American literature from its origins to 1900.

3 credits each semester

Prerequisite: English 3-4

27; 28 19th-Century Prose

Intellectual cross-currents as expressed in romantic and Victorian prose; Wordsworth, Coleridge, Hazlitt; Carlyle, Macaulay, Mill, Arnold, Huxley, Ruskin, Pater, and others.

2 credits each semester

Prerequisite: English 3-4

29; 30; 31; 32 World Literature

A survey, through selected great works which survive translation, of the developing literary tradition of East and West. First two semesters: literature of the Orient and Western Europe; second two semesters: literature of Northern and Eastern Europe.

3 credits each semester

Prerequisite: English 1-2

33; 34 The English Novel

History and development of the English novel, with an analysis of forms and techniques; first semester: Defoe to Scott; second semester: Dickens to Conrad.

3 credits each semester

Prerequisite: English 3-4

35, 36 Chaucer

Chaucer's chief works—*The Canterbury Tales* and *Troilus and Criseyde*—with emphasis upon them as literary rather than linguistic texts.

2 credits each semester

Prerequisite: English 3-4

37 The Art of Poetry

Intentions and techniques of poetry through the intensive examination of selected poems.

2 credits

Prerequisite: English 3-4 and permission of the instructor

38 The Art of Drama

Intentions and techniques of drama through the intensive examination of selected American, English, and Continental plays.

2 credits

Prerequisite: English 3-4 and permission of the instructor

41, 42 Old English

Old English grammar and the reading of some of the simpler prose and poetry, including passages from *Beowulf*.

2 credits each semester

Prerequisite: English 3-4

43, 44 History of the English Language

A survey of the emergence of modern English after a study of some of the more common phenomena of Old and Middle English; knowledge of Old English and Chaucer helpful, though not essential, as background.

2 credits each semester

Prerequisite: English 3-4

46 Advanced Narration

The writing of original short stories, with emphasis on class and individual criticism of the student's work.

2 credits

Prerequisite: English 1-2

47 Advanced Exposition

Practice in expression, putting the student's power at the service of professional need or creative inclination; some consideration of technical elements and points of style, with discussion adapted to the student's needs.

2 credits

Prerequisite: English 1-2

63 Honors

For the description of this course, see page 33.

FRENCH

Major: French, 24 credits (not including 01-02); such additional courses, not exceeding 15 credits, as may be prescribed by the instructor for the individual student.

01-02 Elementary Course

Essentials of grammar, elementary reading, and translation; designed particularly for students with no high school French who wish to acquire a reading knowledge of the language.

3 credits each semester

1-2 Intermediate Course

Intensive review of grammar; selected readings; exercises in composition and conversation.

3 credits each semester

Prerequisite: two years of high school French or French 02. Students with three years of high school French may enter French 2 with permission of the instructor

3-4 Survey of French Literature

History of French literature from the medieval period to the present, with readings in the prose, poetry, and drama of the various periods. Conducted in French.

3 credits each semester

Prerequisite: French 2

11; 12 Contemporary French Literature

First semester: Baudelaire, Verlaine, Mallarmé, Rimbaud, Bourget, France, Barres, Rolland, Gide, and Proust; second semester: the most important novels, plays, poems, and essays revealing principal tendencies since 1918; readings in the authors discussed, with reports based upon supplementary reading. Conducted in French.

3 credits each semester

Prerequisite: French 4 or permission of the instructor

13 Modern Drama

Drama of the romantic, realistic, and contemporary periods; the reading of representative plays; lectures, reports, and discussions in French.

3 credits

Prerequisite: French 4

14 The Modern Novel

History of the novel, with emphasis on the 19th century; the reading of several novels; lectures, reports, and discussions in French.

3 credits

Prerequisite: French 4

18 The 18th Century in France

Early literary manifestations of a new spirit; influence of English thought; literature of the period of Voltaire; the *Encyclopedie* as a machine of war; literature of the period of Rousseau; the *Philosophes* and the French Revolution. Conducted in French.

3 credits

Prerequisite: French 3-4

21 Advanced Composition

Oral and written French, stressing contemporary practice; frequent exercises in translation, composition, and conversation; emphasis on the use of idioms and the appreciation of fine shades of meaning. Conducted in French.

3 credits

Prerequisite: French 4 or permission of the instructor

23 History of French Civilization

The background of history, art, and institutions as an aid to understanding the principal movements of French literature.

2 credits

Prerequisite: French 4

26; 28; 29 Studies in Individual Authors and Their Works

26 Moliere 28 Balzac 29 France

2 credits each semester

Prerequisite: French 3-4

63 Honors

For the description of this course, see page 33.

GERMAN**01-02 Elementary Course**

Essentials of grammar, elementary reading, and translation; designed particularly for students with no high school German who wish to acquire a reading knowledge of the language.

3 credits each semester

07-08 Introduction to Scientific German

Essentials of grammar, elementary reading in scientific German, and translation. For students majoring in the sciences who wish a working knowledge of German. Not open to students who have had any high school German.

3 credits each semester

1-2 Intermediate Course

Readings in classical German literature, poetry, and modern prose.

3 credits each semester

Prerequisite: two years of high school German or German 02

(3-4 Survey of German Literature)

Readings in the masterpieces of German literature.

3 credits each semester

Prerequisite: German 1-2

(11 Contemporary German Literature)

3 credits

Prerequisite: German 2

(13 The German Novel and Short Story of the 19th Century)

3 credits

Prerequisite: German 2

(14 German Lyrics and Ballads)

3 credits

Prerequisite: German 2

(15; 16 German Drama)

First semester: classic drama; second semester: 19th century.

3 credits each semester

Prerequisite: German 2

(21, 22 Advanced Composition)

2 credits

Prerequisite: German 2

25 through 28 Studies in Individual Authors and Their Works

25 Heine

27 Goethe

26 Thomas Mann

28 Goethe's *Faust*

(The letter "a" added to one of these course numbers indicates a modified course given for only 2 credits a semester.)

3 credits each semester

Prerequisite: German 2

63 Honors

For the description of this course, see page 33.

GREEK

(See Classical Languages)

***HEBREW**

Major: RIETS students: Hebrew 10, 13; 14, and an additional 17 credits in Hebrew at Yeshiva College. TIM students: 24 credits in Hebrew at Teachers Institute for Men. The student should consult his adviser regarding the choice of foreign language; a recommendation will be made in light of the period of Hebrew literature in which the student is most interested.

Hebrew courses at Yeshiva College begin on the intermediate level; elementary courses are given in the Jewish Studies Program (see page 69).

1a-2a Intermediate Course I

Grammar, selected readings, and translation.

(For students who have studied Hebrew at a public high school. After completing this course, students will continue with Hebrew 3-4 unless specifically assigned to Hebrew 1-2. Credit will be given for either 1a-2a or 1-2, but not for both.)

3 credits each semester

Prerequisite: four years of high school Hebrew or Hebrew 03-04 in the Jewish Studies Program

1-2 Intermediate Course II

Intensive review of grammar; practice in composition and spoken Hebrew; readings from modern Hebrew literature.

(For students who have studied Hebrew at a Jewish high school.)

3 credits each semester

Prerequisite: four years of high school Hebrew or Hebrew 04 or equivalent

3-4 Survey of Modern Hebrew Literature

Modern Hebrew literature beginning with the movement for enlightenment and the national renaissance, accompanied by selected readings in the major Hebrew writers of modern times.

3 credits each semester

Prerequisite: Hebrew 1-2 or equivalent

* Qualified upperclassmen may receive permission to take additional courses at the University's Bernard Revel Graduate School.

9; 10 Post-Biblical and Medieval Literature

Hebrew literature from the close of the Biblical period through the medieval period; selections from the Apocrypha, the early Paitanim, the medieval philosophical and secular literature, and the liturgical and secular poetry of the Golden Age in Spain; emphasis on Maimonides, Yehudah Halevi, and Ibn Gabirol.

3 credits each semester

Prerequisite: Hebrew 3-4 or equivalent

11 Modern Hebrew Prose

Emphasis on Mendele, Frishman, Peretz, J. Steinberg, Feirberg, Berditchevsky, Sh. Ben-Zion, Brenner, Schofmann, I. D. Berkovitz, Dvora Baron.

3 credits

Prerequisite: Hebrew 3-4 or equivalent

12 Modern Hebrew Poetry

Major poems of Bialik, Tschernichowsky, Yaakov Cohen, and Shneur.

3 credits

Prerequisite: Hebrew 3-4 or equivalent

13; 14 Advanced Grammar and Composition

Hebrew syntax and grammar; varieties of construction and idioms; oral and written Hebrew, stressing contemporary usage; frequent exercises in composition and conversation.

2 credits each semester

Prerequisite: Hebrew 3-4 or equivalent

15 The Modern Hebrew Essay

The modern Hebrew essay, with emphasis on the works of Krochmal, S. D. Luzatto, Smolenskin, Y. M. Pines, Ahad Ha'am, Zalman Epstein, Levinsky, Klatzkin, and Fishman.

3 credits

Prerequisite: Hebrew 3-4 or equivalent

17 Contemporary Hebrew Prose

The Hebrew short story and novel since World War I; selected readings from the works of Kabak, Hameiri, Burla, Barash, Agnon, Shenberg, Hazaz, Yizhar, and others.

3 credits

Prerequisite: Hebrew 3-4 or equivalent

18 Contemporary Hebrew Poetry

Hebrew poetry since World War I; selected readings from the works of Shimoni, Shlonsky, Sh. Shalom, Lamdan, U. Z. Greenberg, and others.

3 credits

Prerequisite: Hebrew 3-4 or equivalent

19 Israeli Literature

Readings in current Hebrew literature, with emphasis on the works of Yizhar, Shamir, and Meged.

2 credits

Prerequisite: Hebrew 3-4 or equivalent

20 Hebrew Literature of the Enlightenment

The emergence of modern Hebrew literature; study of the major writers from 1780 to 1880 in light of the social and intellectual movements of the period.

2 credits

Prerequisite: Hebrew 3-4 or equivalent

28 through 31 Studies in Individual Authors and Their Works

28 Mendele

30 Agnon

29 Bialik

31 Ahad Ha'am

2 credits each semester

Prerequisite: Hebrew 3-4 or equivalent

37, 38 Aramaic

Grammatical structure of the Aramaic dialects: Biblical Aramaic—Daniel and Ezra; specimens of Aramaic papyri and the Targumim; the idiom of the Babylonian and Palestinian Talmuds. May be substituted for Bible 7;8.

Open to seniors at Teachers Institute for Men or Yeshiva College.

3 credits each semester

Prerequisite: Hebrew 3-4 at Yeshiva College or Hebrew 6a-b at Teachers Institute for Men

63 Honors

For the description of this course, see page 33.

91; 92 History of Talmudic Literature

Major institutions, personalities, and literary works from the Babylonian exile through the Amoraic period; sources, structure, redaction, and interrelationship of the Mishnah, Tosephta, Halakhic Midrashim, and Palestinian and Babylonian Talmuds.

2 credits each semester

Prerequisite: junior or senior status

Jewish Studies Program

The following courses are offered in the Jewish Studies Program for credit at Yeshiva College:

01 through 08 Hebrew Language and Literature I-IV

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 Bible and its Commentaries and to the basic texts of ancient and modern Hebrew literature, and with a knowledge of Jewish history, religious philosophy, and liturgy.

(The letter "a" added to one of these course numbers indicates a modified course given in fewer hours for less credit.)

4 credits each semester

Teachers Institute for Men

Up to a maximum of 32 credits in courses in Bible, Hebrew, and Jewish history may be transferred from Teachers Institute for Men for credit at Yeshiva College. For a description of these courses, see the catalog of Teachers Institute for Men.

HISTORY

Major: History 1;2 and an additional 24 credits in History (except for 79;80 and 81;82, courses numbered above 70 may not be counted toward the 30 credits required for the major); any two of the following—(1) Economics 1 (2) Philosophy 9-10 (3) Political Science 1 or 33 (4) Psychology 1 (5) Sociology 1.

1; 2 History of Civilization

First semester: an outline of the cultural and material development of mankind from the dawn of history to the year 1500; second semester: evolution of the political, economic, social, and intellectual life of the world from the 16th century to the present.

3 credits each semester

5; 6 Survey of United States History

The 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 1865; second semester: 1865 to the present.

3 credits each semester

13; 14 History of Economics

For the description of this course, see Economics 13;14.

3 credits each semester

17a; b The Ancient Near East

The civilization of Mesopotamia, Egypt, Asia Minor, and the Aegean.

2 credits each semester

Prerequisite: History 1;2

18a;b Greek Civilization

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. (This course may be given in one semester for 3 credits.)

3 credits each semester

Prerequisite: History 1;2

19 Roman Civilization

Major achievements of Rome in government, law, literature, and the arts.

3 credits

Prerequisite: History 1;2

20 Medieval Society

3 credits

Prerequisite: History 1;2

21 The Renaissance and Reformation

European thought and culture in the age of transition from the 14th to the 17th centuries.

3 credits

Prerequisite: History 1;2

(23 Europe in the 17th and 18th Centuries)

3 credits

Prerequisite: History 1;2

24 Europe from 1789 to 1848

3 credits

Prerequisite: History 1;2

25; 26 Modern Europe Since 1848

The transformation in the social, intellectual, industrial, and political life of modern Europe, with emphasis on the forces of nationalism, industrialism, imperialism, and democracy. First semester: from the period following the Napoleonic Empire to World War I; second semester: the transition since 1914 from the European to the World Theater.

3 credits each semester

Prerequisite: History 2

29; 30 English Political and Constitutional History

Political, governmental, and legal history of England from the Anglo-Saxon period to the present. First semester: to 1603; second semester: from 1603 to the present. Recommended for students planning to study law.

3 credits each semester

Prerequisite: History 1;2 or Political Science 1

(31; 32 The United States: Colonial Period and Revolution)

2 credits each semester

37, 38 Social and Intellectual History of the United States

Social and intellectual currents from the American Revolution to the present.

3 credits each semester

Prerequisite: History 5;6 or permission of the instructor

39 History of American Diplomacy

For the description of this course, see Political Science 13.

3 credits

41; 42 Intellectual History of Western Europe

Major trends in thought and ideology: religious, scientific, political, and economic; primary emphasis on the modern period.

3 credits each semester

Prerequisite: History 1;2

54 American Civilization in the Civil War Generation

Political, economic, social, and intellectual developments in the United States from 1828 to 1865, including westward expansion, social reform movements, religious trends, and the slavery issue.

3 credits

Prerequisite: History 1;2

56 American Civilization Since the New Deal

The Depression, the New Deal, America's changing foreign policy, the Cold War Decade; analysis of social and economic institutions, cultural and religious values.

3 credits

Prerequisite: History 1;2

63 Honors

For the description of this course, see page 33.

Jewish History**71-72 Survey of Jewish History**

Jewish history from the Second Commonwealth to modern times.

3 credits each semester

79; 80 American Jewish History

The Jews in the United States from the earliest times to the present, with emphasis upon social, cultural, and communal development, especially that of the Jewish community of New York. First semester: colonial times to the Civil War; second semester: Civil War to the present.

2 credits each semester

81; 82 Studies in American Jewish History

Selected topics. First semester: Jewish life and culture; second semester: religious movements and education.

2 credits each semester

Prerequisite: History 79;80 or permission of the instructor

91; 92 History of Talmudic Literature

For the description of this course, see Hebrew 91;92.

2 credits each semester

Prerequisite: junior or senior status

Qualified upperclassmen may receive permission to take additional courses in Jewish history at the University's Bernard Revel Graduate School.

HYGIENE**1-2 Personal and Community Hygiene**

Principles of personal and community health and hygiene, and their applications to the individual and the various social units.

1 credit each semester

LATIN

(See Classical Languages)

LIBRARY**1 Library Techniques**

Library resources and research methods.

2 hours; 1 credit

Prerequisite: junior or senior status

5; 6 Basic Reference Books in Jewish Literature

A bibliographical guide to the reference sources and classics in Hebraica and Judaica; methods of uncovering data.

1 credit each semester

LINGUISTICS**105-106 Methods in Structural Linguistics**

Techniques and analysis of descriptive linguistics: phonetics, phonemics, morphology, and morphemics.

3 credits each semester

Prerequisite: junior or senior status

***MATHEMATICS**

Major: Mathematics, 27 credits including 13-14 and 23-24 (01-02 may not be counted toward the major); Physics 1-2, unless another science is permitted by the senior professor.

Recommended: Physics 11-12.

Written permission is required for any course above 12.

(01-02 Survey of Mathematics)

3 credits each semester

1-2 Mathematical Analysis

Principles of advanced algebra, analytical geometry, and differential calculus, with emphasis on the relationships of mathematics to the other sciences.

3 credits each semester

* Qualified upperclassmen may receive permission to take additional courses in mathematics at the University's Graduate School of Science.

3-4 Mathematical Analysis and Calculus

This course, covering the contents of Mathematics 1-2 and 11, 12 in one year, is designed for students with superior preparation and ability.

4 credits each semester

Prerequisite: four years of high school mathematics or permission of the instructor

(5-6 Methods of Mathematical Thinking)**11, 12 Calculus**

Differentials; Taylor and Maclaurin expansions; convergence and divergence of series; summation of series; technique of integration; definite integral; fundamental theorem of integral calculus; application of integration to problems in physics and geometry; polar co-ordinates; parametric equations; indeterminate forms; introduction to differential equations.

3 credits each semester

Prerequisite: Mathematics 1-2

13-14 Differential Equations

First semester: ordinary differential equations, with applications to problems in physics and geometry; second semester: equations in more than two variables; introduction to partial differential equations; special problems.

3 credits each semester

Prerequisite: Mathematics 11, 12 or 3-4

15, 16 Theory of Numbers

Properties of integers and methods of algebra and calculus available in their study.

3 credits each semester

Prerequisite: Mathematics 1-2

17, 18 Projective Geometry

The principle of duality; harmonic ratios; homologous configurations and the application of their properties to curves of second order and class.

2 credits each semester

Prerequisite: Mathematics 11

19-20 Modern Algebra

Preliminary concepts; rings, integral domains, and fields; Peano's axioms; number fields; polynomials; groups; vector spaces; systems of linear equations; determinants; linear transformations and matrices.

3 credits each semester

Prerequisite: Mathematics 11, 12 or 3-4

21-22 History of Mathematics

Development of mathematics from antiquity to the present.

2 credits each semester

Prerequisite: Mathematics 1-2

23-24 Advanced Calculus I

Real numbers; basic theorems on limits; continuity; differentiability and Riemann integrability for functions of one variable; infinite series; extension to functions of several variables; partial differentiation; multiple integration; allied topics.

3 credits each semester

Prerequisite: Mathematics 11, 12 or 3-4

(25, 26 Recreational Mathematics)

2 credits each semester

Prerequisite: Mathematics 1-2

27, 28 Theory of Functions

Functions of the complex variable, with geometric and physical applications.

3 credits each semester

Prerequisite: Mathematics 11, 12

31, 32 Actuarial Mathematics

Summation by finite differences; review of related topics in advanced algebra and calculus; choice and chance; elementary theorems in probability and statistics.

2 credits each semester

Prerequisite: Mathematics 1-2

33, 34 Advanced Calculus II and Differential Equations

Improper integrals and other topics in integration; topics in vector analysis; ordinary differential equations: elementary methods, operational methods, series, successive approximations, existence and uniqueness theorems; partial differential equations:

boundary and initial value problems, separation of variables, orthogonal expansions, convergence of series expansions—Fourier, etc.

3 credits each semester

Prerequisite: Mathematics 23-24

35-36 Vector Analysis

Graphical representation of vectors; elementary operations; vector equations; scalar and vector fields and products; differentiation and integration of vector functions; differential operators; practical applications.

2 credits each semester

Prerequisite: Mathematics 11, 12

37, 38 Mathematical Statistics

3 credits each semester

Prerequisite: Mathematics 11, 12

39, 40 Probability

Sample spaces and formal probability functions; finite sample spaces, partitioned sampling and distribution problems; conditional probability, independence, Markov dependence; numerically valued sample spaces, distributions; limit theorems and laws of large numbers; random variables.

2 credits each semester

Prerequisite: Mathematics 11, 12

63 Honors

For the description of this course, see page 33.

MUSIC

Major: Music, 30 credits including such courses numbered 51-58 as may be prescribed by the Director of Music for the individual student. With the Director's permission, courses in allied subjects may be substituted for music courses.

1 Introduction to Music

Music for appreciation and the development of insight into the art, requiring no previous knowledge; the cultivation of helpful listening habits, with extensive use of recordings.

2 hours; 1 credit

3; 4; 5; 6 Choral Music

Songs of various styles, primarily for occasions of the Jewish year; the elements of group leading; some vocal experience desirable but not required. Students may register for any four semesters in any order.

2 hours; 1 credit each semester

7, 8 General Musicianship

Reading and sight singing; writing and playing simple piano melodies, rhythms, and harmonies; some musical experience desirable but not required.

2 credits each semester

9, 10 Harmony I

Structural forces in music, predominantly harmony, taught through ear training; writing and playing of harmonic progressions in major and minor as occurring in simple folk songs.

2 credits each semester

Prerequisite: Music 7, 8

11 Music from Antiquity to the Renaissance

Formative years of Western music, including Greek, Hebrew, and Christian contributions; the emergence of secular music in the Middle Ages; rise of the Italian and Flemish schools of the 14th and 15th centuries.

2 credits

Prerequisite: Music 1 or permission of the instructor

12 Music in the Baroque and Classical Eras

Music and musical practices in the 17th and 18th centuries, centering on the major vocal and instrumental forms: opera, oratorio, suite, fugue, concerto grosso; emphasis on the works of Bach, Handel, Scarlatti, Monteverdi, Haydn, and Mozart.

2 credits

Prerequisite: Music 1 or permission of the instructor

13 Music in the Romantic Era

Rise of symphonic thought with the unfolding of the symphony, symphonic poem, music drama, concerto; emphasis on the works of Beethoven, Schubert, Berlioz, Mendelssohn, Schumann, Tchaikovsky, Liszt, Wagner, and Brahms.

2 credits

Prerequisite: Music 1 or permission of the instructor

14 Music in the 20th Century

Avenues of musical development from the close of the 19th century to the present day; the relation of musical ideas to similar thought in literature, poetry, and painting; emphasis on the works of Wagner, Mahler, Richard Strauss, Sibelius, Ravel, Debussy, Schonberg, Berg, Hindemith, Shostakovitch, and Prokofiev.

2 credits

Prerequisite: Music 1 or permission of the instructor

15 Survey of Operatic Literature

Detailed consideration of such works as Mozart's *Don Giovanni*, Beethoven's *Fidelio*, von Weber's *Der Freischutz*, Rossini's *Barber of Seville*, Verdi's *La Traviata* and *Aida*, Wagner's *Tristan und Isolde* and *Die Meistersinger*, Puccini's *La Boheme*, and Bizet's *Carmen*.

2 credits

Prerequisite: Music 1 or permission of the instructor

16, 17 Harmony II

Modulation, alterations, dissonances, modes; cultivation of creativeness by inclusion of elements of form and counterpoint in improvisation and writing.

2 credits each semester

Prerequisite: Music 9, 10

19, 20 Voice Culture

Elements of voice training for singing and speaking; breath control and tone production; vocal physiology and hygiene; general instruction and individual attention.

2 credits each semester

Prerequisite: permission of the instructor

51 through 58 Applied Music

Credit is granted by Yeshiva College for instruction in applied music at the University: vocal or instrumental work arranged by the music department or cantorial studies taken at the Cantorial Training Institute. A maximum of 9 credits in applied music may be counted toward the Bachelor of Arts or Bachelor of Science degree, but not more than 3 credits may be transferred in any one semester.

1-3 credits each semester

Prerequisite: permission of the Director of Music

ORIENTATION**A Freshman Orientation**

Tours, demonstrations, lectures, and conference groups, at which typical freshman problems are considered; individual interviews to make possible more precise assistance.

1 hour; no credit

PHILOSOPHY

Major: Philosophy 9-10, 11, 12, 21, 31; Chemistry 1-2 (or 1a-2a) or Physics 1-2; also Mathematics 1-2, Psychology 1.

Recommended: History 1;2, Political Science 27;28, Sociology 1.

9-10 Ancient and Medieval Philosophy

The most significant types of thought from Thales to Francis Bacon; emphasis on Plato, Aristotle, Augustine, and Aquinas.

3 credits each semester

11 Modern Philosophy

The main philosophical movements from Bacon through Spencer; idealism, positivism, and Darwinian naturalism.

3 credits

Prerequisite: Philosophy 9-10

12 Contemporary Philosophy

The chief contributions of Bergson, James, Dewey, Russell, Santayana, and Whitehead.

3 credits

Prerequisite: Philosophy 11

21 Logic and Scientific Method

Inductive and deductive logic.

3 credits

23; 24 Philosophy of Science

A critical and historical analysis of the basic concepts of science and their metaphysical implications.

2 credits each semester

31 Political and Social Philosophy

Political and social theories from Aristotle to the present day; analysis of the various interpretations of history, nature of man, relation of ethics to politics, and historical functions of the state.

3 credits

Prerequisite: Philosophy 9-10, 11, 21

63 Honors

For the description of this course, see page 33.

71; 72 Introduction to Jewish Philosophy

Exposition and discussion of Jewish ethical ideals; the relation of man to God, and of man to man; the distinctive ideals of Judaism.

1 credit each semester

73; 74 Problems of Philosophy

Selected philosophical topics as approached by different schools; analysis and discussion of representative selections from general and Jewish sources.

2 credits each semester

Prerequisite: junior or senior status or permission of the instructor

75, 76 Topics in Jewish Philosophy

Selected philosophic topics, to be chosen from the following: religious tradition and philosophic investigation; God and Divine attributes; the nature of man and human happiness; the individual and society; the nature of law.

2 credits each semester

Prerequisite: junior or senior status or permission of the instructor

77; 78 Contemporary Jewish Philosophy

Contemporary philosophical issues analyzed in the light of traditional Jewish thought; works of modern Jewish philosophers which reflect these currents; contemporary Jewish intellectual issues; representative writings of modern Jewish orthodoxy.

2 credits each semester

Prerequisite or corequisite: Philosophy 71; 72

79, 80 Philosophic Treatises of Maimonides

Maimonides' philosophy as reflected in his shorter writings: *Treatise on Logic*, *Introduction to Commentary on the Mishnah*, *Shemonah Perakim*, *Introduction to Helek*, and *Treatise Concerning Resurrection*. The relation of these treatises to the *Guide for the Perplexed*.

2 credits each semester

Prerequisite: junior or senior status or permission of the instructor

PHYSICAL EDUCATION

A course in physical education is required every semester of attendance. Students with physical defects and handicaps are not excused from physical education but assigned to special classes with the approval of the University Physician. No student may take more than one course in this subject any semester, nor more than a total of 8 credits. Students may choose from the activities listed below.

1 to 8 Physical Training

- A. First Aid
Instruction and Red Cross certification in first aid techniques and practices.
- B. Corrective Physical Education
Individual corrective exercises and adapted activities; approval of Medical Director required.
- C. Physical Fitness
Increased physical efficiency through graded exercises and activities.
- D. Swimming and Water Safety
Beginning, intermediate, and advanced instruction; Red Cross certification available; passing beginner's swimming test required for graduation.
- E. Individual Athletics
Instruction and practice in individual sports.
- F. Seasonal Sports
Instruction and practice in team sports.
- G. Combative Sports
Instruction and practice in self-defense techniques involved in boxing, wrestling, jujitsu, and hand-to-hand combat.
- H. Athletic Officiating
Instruction and practice in the art of officiating in major team sports for the college, high school, community center, and camp.
- I. Weight Lifting
Heavy resistive exercise for body building.
- J. Fencing
Beginning, intermediate, and advanced instruction.

K. Leadership in Physical Education

Development of leadership techniques in physical education activities.

2 hours; ½ credit each semester

11 to 18 Recreational Leadership

Theory and practice in the organization and direction of recreational activities for use in educational institutions, recreation centers, camps, and community centers; instructor's courses in first aid and swimming.

1 lecture and 1 laboratory hour; 1 credit each semester

***PHYSICS**

Major: Physics, 26 credits including 1-2, 9L, 10L; Mathematics 1-2, 11, 12 (or 3-4); Chemistry 1-2 (or 1a-2a) if one year of high school chemistry has not been taken. Students considering graduate work in physics should take as many as possible of the following—Chemistry 1-2, Mathematics 13-14, 23-24, 35-36.

1-2 General Physics

General principles of statics, kinematics, hydrostatics, heat, sound, light, electricity, and magnetism, with emphasis on laboratory work designed to help the student master these principles.

3 lectures and 3 laboratory hours; 4 credits each semester

Prerequisite or corequisite: Mathematics 1-2 or 3-4

9L, 10L Intermediate Laboratory Course in Electricity

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.

4 laboratory hours; 2 credits each semester

Prerequisite: Physics 1-2

11, 12 Analytical Mechanics

Statics: composition of forces; equilibrium of a particle and of rigid bodies; centroids, cables, frames. Kinematics: Cartesian, radial and transversal, tangential and normal components of velocity and acceleration. Dynamics: Newtonian laws of motion; work

* Qualified upperclassmen may receive permission to take additional courses in physics at the University's Graduate School of Science.

and energy; motion of particle in a resisting medium; simple harmonic motion; free and forced vibration of damped linear oscillator.

3 credits each semester

Prerequisite: Physics 1-2 or Mathematics 11, 12 (or 3-4)

11a, 12a Mechanics for Engineers

Analytical mechanics, with added material designed specifically for pre-engineering students.

4 credits each semester

Prerequisite: Physics 1-2, Mathematics 11, 12

13, 14 Electricity and Magnetism

Electrostatics and magnetostatics, with emphasis on methods of solution (electrical images, inversion, conjugate functions); direct currents, study of D.C. generators and motors; flow of alternating currents in circuits containing resistance, inductance, and capacity; electrical resonance; study of A.C. generators and motors.

3 credits each semester

Prerequisite: Physics 1-2

15 Elements of Kinetic Theory and Thermodynamics

Principles of the kinetic theory of matter (particularly gases); first and second laws of thermodynamics; concept of entropy and related topics.

3 credits

Prerequisite: Physics 1-2, Mathematics 11, 12

17 Light

Principles of geometric and physical optics; Huygen's principle; reflection, refraction, dispersion, interference, diffraction, and polarization of light; magneto-optics; electro-optics; optical instruments.

3 credits

Prerequisite: Physics 1-2, Mathematics 11, 12

(17L Experimental Optics)

18 Sound

Theory of vibrations, with application to the study of vibrations of strings, reeds, diaphragms, and pipes; Doppler effect, reflection, interference, and diffraction of sound waves; sound instruments.

3 credits

Prerequisite: Physics 1-2, 11, 12, Mathematics 11, 12

(18L Laboratory Course in Acoustics)

19-20 Review of Modern Physics

Elementary exposition of the electron theory, cathode rays, X-rays, radioactivity, atomic energy, quantum theory, and the theory of relativity.

3 credits each semester

Prerequisite: Physics 1-2

19L Laboratory Course in Modern Physics

Selected experiments in atomic and nuclear physics; emphasis on the fundamentals of nuclear measurements and on general technique.

2 credits

Prerequisite or corequisite: Physics 19

24 Electronics

Thermionic tubes and their use as detectors, amplifiers, oscillators, and electrometers; photoelectricity, cathode rays; excitation and ionization of gases by electrons and gas discharge phenomena.

2 credits

Prerequisite: Physics 1-2, Mathematics 11, 12

25 Introduction to Theoretical Physics

Typical initial and boundary value problems in electrostatics, heat conduction, wave motion, and electric circuit theory.

3 credits

Prerequisite: Physics 11, 12, Mathematics 11-12

Prerequisite or corequisite: Physics 13, 14, Mathematics 13-14

29 Selected Topics in Mechanics

Lagrangian equations, motion with respect to rotating axes, Foucault pendulum, motion of a top with applications, elements of hydrostatics and hydrodynamics.

3 credits

Prerequisite: Physics 11, 12, Mathematics 11, 12

Prerequisite or corequisite: Mathematics 35-36

29L; 30L Nuclear Physics Laboratory

Fundamentals of measurements of nuclear particles; measurements with G-M counters, proportional counters, scintillation detectors, and photographic plates; properties of alpha, beta, and gamma rays, neutrons and cosmic rays.

4 hours; 2 credits each semester

Prerequisite: Physics 1-2

63 Honors

For the description of this course, see page 33.

POLITICAL SCIENCE

Major: Political Science 1 and an additional 27 credits in political science; any two of the following—(1) Economics 1 (2) History 2 or 6 (3) Philosophy 9-10 (4) Psychology 1 (5) Sociology 1.

1 American Government

The more important principles of political science and the evolution of government; theories of the state, law, and juridic institutions; American federal, state, and municipal government.

3 credits

9; 10 Structure of Government

First semester: major factors underlying all forms of government; relation of political authority to law, constitution, social class, economic system, and traditions; historic character of major forms of government. Second semester: evolution of democratic form of government; rise of modern dictatorships; formation of an international order.

2 credits each semester

Prerequisite: junior or senior status

13 History of American Diplomacy

History of the foreign policy of the United States from the French Alliance, 1775-1778, to the present; conditions and forces that help fashion our diplomacy; special attention to the rise of the United States as a world power with its consequent duties and opportunities.

3 credits

15 American Political Thought

History of American political thought from colonial times to the present.

3 credits

Prerequisite: Political Science 1

16 Problems in Political Science

Studies in depth of some theoretical and administrative problems in modern government.

3 credits

Prerequisite: Political Science 1

18 Political Parties

Organization and activity of political parties, operation of the party system, and role of pressure groups in the United States; campaigns and elections.

3 credits

Prerequisite: Political Science 1

21; 22 Constitutional Development of the United States

The Constitution of the United States—its inspiration, adoption, interpretation, and development.

3 credits

Prerequisite: Political Science 1

25; 26 History of Political Theory

History of thought concerning the nature and role of the state from ancient times to the present. First semester: ancient times to Machiavelli, with special attention to theories of law and justice; second semester: Machiavelli to the present, with special attention to the influence of such thought on the establishment and development of American government.

2 credits each semester

Prerequisite: one year of philosophy or political science

27; 28 Jurisprudence

First semester: significance of philosophy for law; sources and authoritative forms of law; analysis of concepts of property, contract, tort, and crime. Second semester: general theories of law, e.g., natural law, historical school, utilitarian and other theories, and nature of the judicial process.

2 credits each semester

Prerequisite: one year of philosophy or political science

29; 30 English Political and Constitutional History

For the description of this course, see History 29;30.

3 credits each semester

Prerequisite: Political Science 1 or History 1;2

32 Comparative Government

A comparative study of the more important governments of Europe, including Great Britain, France, Italy, Switzerland, and Germany, with brief consideration of the governments that have developed since World War I; the government of the United States used as a basis of comparison and contrast.

3 credits

Prerequisite: Political Science 1

33 International Relations

International organizations and factors contributing to the rise of international government; the United Nations and its functions.

3 credits

34 International Law

Nature, scope, sources, subjects, and objects of international law; the procedural Law of Intervention and the Law of World Organization.

3 credits

Prerequisite: Political Science 1

63 Honors

For the description of this course, see page 33.

***PSYCHOLOGY**

Major: Psychology 1, 45, and an additional 18 credits in psychology; Mathematics 1-2. Students considering graduate work in psychology should take Psychology 13, 19, 20, 39, 46, and French or German as their required language.

Recommended: Biology 1-2, Philosophy 9-10, Physics 1-2; Mathematics 11, 12 (for those interested in experimental psychology) or Sociology 1, 44 (for those interested in clinical psychology).

1 General Psychology

Essential facts and theories, to give the student a thorough grounding in the science and acquaint him with scientific method and techniques used in psychology.

3 credits

* Qualified upperclassmen may receive permission to take additional courses at the University's Graduate School of Education.

13 Tests and Measurements

Theory and method of measuring human behavior; construction and evaluation of tests of abilities, aptitudes, achievement, attitudes, and adjustment.

3 credits

Prerequisite: Psychology 1 and 45

15 Applied Psychology

Various areas in which principles of psychology have practical application: industry, business, education, advertising, and communication; mass media and their effect on the individual.

3 credits

Prerequisite: Psychology 1

16 Psychology of Learning

An extension of the basic principles of learning, with emphasis on applications in education.

3 credits

Prerequisite: Psychology 1

19, 20 Experimental Psychology

Chief problems, methods, and results of experimental psychology; representative experiments on animals and humans carried out and evaluated in the light of modern theory.
1 lecture and 3 laboratory hours; 3 credits each semester

A laboratory fee is charged

Prerequisite or corequisite: Psychology 1

23 Abnormal Psychology

Behavior disorders, with emphasis on experimental studies and their interpretations, diagnostic and therapeutic techniques, and mental hygiene.

3 credits

Prerequisite: Psychology 1

28 Sensory Psychology

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.

3 credits

Prerequisite: Psychology 1

31 Psychology of Social Behavior

Psychology of group behavior as a function of developmental, motivational, and social processes; theories of social behavior.

3 credits

Prerequisite: Psychology 1

32 Physiological Psychology

Physical structure and behavior; mind and body; the nervous system and endocrine glands in their relations to psychological processes.

3 credits

Prerequisite: Psychology 1

33 Psychology of Personality

Structure and dynamics of personality in the light of experimental evidence and theory.

3 credits

Prerequisite: Psychology 1

34 Comparative Psychology

Evolution of behavior: a comparative study of growth and development of behavior in animals.

3 credits

Prerequisite: Psychology 1

35 Childhood Development

Biological, psychological, and social factors which enter into the development of the child; correlations between childhood development and the formation of adult personality.

2 credits

Prerequisite: Psychology 1

36 Psychology of Adjustment

Various psychological mechanisms used by individuals to resolve conflicts and to adjust to their situations, with illustrative case histories.

2 credits

Prerequisite: Psychology 1

38 Psychology of Adolescence and Youth

Processes and problems of becoming an adult; personality development in its relation to cultural patterns.

2 credits

Prerequisite: Psychology 1

39 Theories and Systems

Current theories in psychology; historical roots, development, and present status of systematic orientations; implications of recent experimental data for psychological theory.

3 credits

Prerequisite: Psychology 1

45, 46 Statistical Methods

For the description of this course, see Sociology 45, 46.

3 credits each semester

63 Honors

For the description of this course, see page 33.

RUSSIAN**07-08 Introduction to Scientific Russian**

Essentials of grammar, elementary reading in scientific Russian, and translation. For students majoring in a science who wish a working knowledge of Russian. Not open to students who have had high school Russian.

3 credits each semester

SOCIOLOGY

Major: Sociology 1 and an additional 27 credits including at least one course from each of the following groups—(1) general courses: 11, 17, 18 (2) theory: 23, 24 (3) Jewish sociology: 31, 32 (4) research methods: 44, 45, 46 (5) urban-industrial society: 51, 52, 53, 54. Any two of the following: (1) Economics 1 (2) History 2 or 6 (3) Philosophy 21 or 9-10 (4) Political Science 1 (5) Psychology 1. Students considering graduate work in sociology should take French or German as their required language.

Recommended: Economics 13; 14, Philosophy 21, 31, Political Science 25; 26, Psychology 31, 33.

1 Introduction to Sociology

Group life and social relationships, especially in modern society; social processes, forces, and structures; the individual and society; collective behavior; socio-cultural continuity and change.

3 credits

***11 Demography**

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.

3 credits

Prerequisite: Sociology 1

17 The Family

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.

3 credits

Prerequisite: Sociology 1

18 Criminology

Delinquent and criminal behavior in modern society; extent and patterns of such behavior; factors in criminality; treatment of criminals; prevention of crime.

3 credits

Prerequisite: Sociology 1

23, 24 Sociological Theories

Sociological theories before the 19th century and an analysis and evaluation of leading sociological schools and systems since Auguste Comte.

2 credits each semester

Prerequisite: Sociology 1

31 Sociology of the Jews

The Jewish problem in Diaspora since the emancipation; varieties of Jewish nationalism; forerunners of Zionism; history, structure, and parties of political Zionism; religious philosophies of Traditional, Reform, and secular Judaism; the State of Israel and its impact upon Diaspora Judaism.

2 credits

32 The Jewish Community in the United States

The Jewish community in the United States—its needs, agencies, and problems; agencies that deal with the educational, religious, and philanthropic needs of the community.

2 credits

* See Footnote on page 93.

***36 Ethnic Groups in the United States**

Ethnic and religious composition of the American population; adjustment of minority groups to the dominant culture; intergroup relations and tensions; economic, social, educational, and political opportunities of Negroes, Jews, and others; nature and cause of prejudice; public policies and proposed solutions of ethnic problems.

3 credits

Prerequisite: Sociology 1

37 Race and Culture

Concepts of race, culture, and personality; race differences; migration of peoples; contact and conflict situations; clash between tribal cultures and national civilizations; group prejudice.

2 credits

Prerequisite: Sociology 1 or permission of the instructor

38 Culture and Personality

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.

2 credits

Prerequisite: Psychology 1 or Sociology 1 or permission of the instructor

***44 Methods of Social Research**

Logical foundations of the scientific method; development of concept and hypothesis; sampling techniques; research design; questionnaire; interview; personal documents; scaling techniques; the use of published and other sources of information; analysis and interpretation of data.

3 credits

Prerequisite: Sociology 1

45, 46 Statistical Methods

Fundamental statistical concepts and methods; measures of central tendency and variability; normal probability curve and its applications; correlation and contingency; reliability and significance of differences; analysis of variance; index numbers; time series; collection, analysis, and interpretation of statistical data.

3 credits each semester

* See Footnote on page 93.

***51 Urban Society**

Rise and development of cities and metropolitan centers; trends in urbanization; types of cities; their ecological, demographic, ethnic, economic, social, and cultural characteristics; patterns of interaction and social relationships; personality types, social control; housing and city planning.

3 credits

Prerequisite: Sociology 1

***52 Industrial Sociology**

The Industrial Revolution and the labor movement; industrial bureaucracy, management, and unions; social structure of industry; industry and the community; social legislation.

3 credits

Prerequisite: Sociology 1 and Economics 1 or Political Science 1 or permission of the instructor

***53 Social Classes**

Social stratification and social class systems; indicators of social position; class consciousness; power elite; bureaucracy; social mobility; influence of class subcultures on personality and styles of life; social classes in the United States.

3 credits

Prerequisite: Sociology 1

***54 Public Opinion**

Nature and function of public opinion; agencies forming and influencing opinion; role of media of communication; impact of public opinion upon public policy; change and control of public opinion in different societies; measurement and analysis of public opinion.

3 credits

Prerequisite: Sociology 1

63 Honors

For the description of this course, see page 33.

SPANISH**01-02 Elementary Course**

Essentials of grammar, elementary reading, and translation; designed particularly for students with no high school Spanish who wish to acquire a reading knowledge of the language.

3 credits each semester

* Sociology 11, 36, 44, 51, 52, 53, and 54, were numbered, 21, 20, 14, 19, 22, 28, and 26 respectively until June 1962.

1-2 Intermediate Course

Rapid review of grammar; exercises in reading, writing, and speaking Spanish; readings in contemporary Spanish literature: short stories and a major masterpiece.

3 credits each semester

Prerequisite: two years of high school Spanish or Spanish 01-02

3-4 Survey of Spanish Literature

The most important Spanish works of the 19th century; survey of Latin American culture.

3 credits each semester

Prerequisite: Spanish 1-2

SPEECH**C Speech Correction**

For those students who have special difficulties with particular speech sounds, voice inadequacies, foreign accent, or nervous disorders of speech.

No credit

1-2 Fundamentals of Speech

Development of an appreciation of precision and effectiveness in the spoken word, an understanding of the basic factors in the improvement of spoken English, and an acceptable and cultivated American speech pattern.

1 credit each semester

3 Public Speaking

Experience in the preparation and presentation of speeches; development of a versatile and vigorous speech style, enabling the student to offer well-reasoned and organized addresses appropriate to various occasions and audiences.

2 credits

Prerequisite: Speech 1-2

4 Group Discussion

Prevailing practice and techniques of acting as chairman and participant in group discussions of various sorts, according to accepted rules and procedures, taught through experience in forums, panels, and debates.

2 credits

Prerequisite: Speech 3

15 Voice and Diction for Future Teachers and Speakers

For those who desire to meet the standards in oral English set by boards of education and the public speaking platform. Drill in voice, articulation, pronunciation, and diction.

2 credits

Prerequisite: Speech 4

18 Advanced Public Speaking

Practice in extemporaneous speaking, with emphasis on improving vocal quality and speech effectiveness through the resources of personality.

2 credits

Prerequisite: Speech 4

SYRIAC

Qualified upperclassmen may receive permission to take the following courses as electives at the University's Bernard Revel Graduate School:

SL 241-2 Elementary Syriac

2 credits each semester

YIDDISH**01-02 Elementary Course**

Essentials of grammar, elementary reading, and translation; pronunciation and conversational practice.

3 credits each semester

03-04 Readings in Yiddish Literature

Representative selections from the entire range of Yiddish literature, with some emphasis on the often neglected religious works.

3 credits each semester

Prerequisite: Yiddish 01-02 or a reading knowledge of Yiddish

PRIZES AND HONORS

Yeshiva College

The following Commencement Prizes are granted annually to students selected by the faculty of Yeshiva College:

Bitzaron Prize for excellence in Hebrew.

Professor Daniel Block Memorial Prize for excellence in mathematics.

Mushe Cohen Memorial Prize for excellence in Bible.

Harry and Jane Fischel Memorial Prize for excellence in American Jewish history.

Ephraim Fleisher Memorial Prize for the best essay in English on a Hebrew prophet.

Professor Jekuthiel Ginsburg Memorial Prize for excellence in mathematics.

Mendel and Sarah Gottesman Memorial Fund Prize for scholarship, ethics, and character.

Joseph Gunner Memorial Prize for excellence in mathematics.

Hamilton Watch Company Prize to the graduate who has most successfully combined proficiency in his science major with achievement in the social sciences or humanities.

Histadruth Ivrih Prize for excellence in Hebrew language and literature.

Jewish Academy of Arts and Sciences Prize to the graduate ranking highest in his college studies.

Benjamin Lebzelter Memorial Prize for excellence in Bible.

Samuel and Emily Granet Lemler Prize for excellence in premedical studies.

Professor Eli Levine Prize for excellence in chemistry.

Professor Arnold N. Lowan Memorial Prize for promise and devotion in the study of physics.

Manischewitz Prize for excellence in English.

Mutual Benevolent Society of 1865, Inc. Prize for excellence in biology.

Ya'akov Yehuda Nirenstein Prize for excellence in Hebrew.

Gertrude Nissenbaum Memorial Prize (given by Mr. and Mrs. Benjamin Nissenbaum in memory of their daughter) for excellence in mathematics.

Emile Offenbacher Memorial Prize for excellence in physical education.

Paul Orentlicher Memorial Prize (given by the Yeshiva College Alumni Association) for excellence in philosophy.

Norman Palefski Memorial Prize for excellence in safety education.

Jerome Robbins Memorial Prize (given by the Class of 1943) for the best original short story.

Irving R. Shull Memorial Prize (given by Brith Sholom) for achievement in human relations.

Bernard Sussman Memorial Prize for excellence in chemistry.

Rabbi Murray Tobias Memorial Prize (given by the Rabbinic Alumni) for character and piety.

Women's Branch of the Union of Orthodox Jewish Congregations of America Prize for excellence in Jewish studies.

Louis Werfel Memorial Prize (given by the Yeshiva College Alumni Association) to the highest ranking junior.

Yeshiva University Women's Organization Prize for excellence in physics.

National Council of Young Israel Prize for excellence in history.

Monis and Chaya Zuckerman Memorial Prize for the best research paper in Jewish history.

In addition to the above-mentioned Commencement Prizes, departmental honors are also given for distinction in the following subjects and activities:

Classical Languages
 Debating and Speech
 Economics
 Education
 French
 International Relations

Leadership
 Patriotic Service
 Political Science
 Psychology
 Service and Devotion to the School

Jewish Studies Program

The following Commencement Prizes are granted annually to students selected by the faculty of the Jewish Studies Program for excellence in Jewish studies, character, and piety:

Rubin and Rebecca Rabinowitz Memorial Prize (given by Samuel Zuckerman)

Rachel Wind Memorial Prize

YESHIVA UNIVERSITY SCHOOLS AND DIVISIONS

Preparatory Schools

Offer complete Jewish and academic program; grant Regents diploma.

For Boys—Manhattan (1915) (Main Center, Amsterdam Avenue and 186th Street, N. Y. 33, LOrraine 8-8400)

For Boys—Brooklyn (1945) (2270 Church Avenue, Brooklyn 26, ULster 6-4006)

For Girls—Brooklyn (1948) (2301 Snyder Avenue, Brooklyn 26, BUckminster 4-2850)

For Girls—Manhattan (1959) (462 West 58th Street, N. Y. 19, JUdson 6-8730)

Undergraduate Schools Colleges of Arts and Sciences

Yeshiva College for Men (1928) (Main Center) first liberal arts college under Jewish auspices; grants Bachelor of Arts and Bachelor of Science degrees.

Stern College for Women (1954) (Midtown Center, 253 Lexington Avenue, N. Y. 16, MUrray Hill 5-0150) the nation's only liberal arts college for women under Jewish auspices; awards Bachelor of Arts, Bachelor of Religious Education, and Bachelor of Hebrew Literature degrees.

Teachers Institutes

For Men (1917) (Main Center) trains Hebrew teachers and administrators; awards Hebrew Teacher's Diploma and Bachelor of Religious Education and Bachelor of Hebrew Literature degrees.

For Women (1952) (Midtown Center) trains Hebrew teachers and administrators; awards Hebrew Teacher's Diploma and Bachelor of Religious Education and Bachelor of Hebrew Literature degrees.

Graduate and Professional Schools

Rabbi Isaac Elchanan Theological Seminary (1896) (Main Center) the nation's foremost training center for orthodox rabbis; confers semicha (ordination).

Bernard Revel Graduate School (1937) (Main Center) offers graduate work in Jewish and Semitic studies; confers Master of Hebrew Literature, Master of Arts, Doctor of Hebrew Literature, and Doctor of Philosophy degrees.

Harry Fischel School for Higher Jewish Studies (1945) (Main Center) offers summer courses in Jewish and Semitic studies; awards Master of Hebrew Literature, Master of Arts, Doctor of Hebrew Literature, and Doctor of Philosophy degrees.

Cantorial Training Institute (1954) (Main Center) teaches traditional cantorial functions; awards Cantorial Diploma and Associate Cantor's Certificate.

Albert Einstein College of Medicine (1955) (Bronx Center, Eastchester Road and Morris Park Avenue, Bronx 61, SYcamore 2-2200) the first medical college in the United States under Jewish sponsorship; awards Doctor of Medicine degree.

Sue Golding Graduate Division of Medical Sciences (1957) (Bronx Center) offers advanced study in anatomy, biochemistry, microbiology, immunology, pathology, pharmacology, and physiology; awards Doctor of Philosophy degree.

School of Social Work (1957) (Graduate Center, 110 West 57th Street, N. Y. 19, JUdson 2-5260) offers graduate programs in social work; grants Master of Social Work degree.

Graduate School of Education (1957) (Graduate Center) offers programs in elementary, secondary, special, and religious education; guidance, psychology, administration, and supervision; grants Master of Arts, Master of Science, Master of Religious Education, Doctor of Education, and Doctor of Philosophy degrees.

Graduate School of Science (1958) (Main Center) offers programs in mathematics and physics for careers in industry, research, and teaching; confers Master of Arts and Doctor of Philosophy degrees.

INDEX

- Absence
 from class 30
 from examination 31
 Academic calendar 5
 Academic regulations 30
 Accidents 37
 Accreditation of the College 22
 Administration
 Yeshiva College 9
 Yeshiva University 8
 Admission
 advanced placement 42
 advanced standing 42
 applications 40
 conditional 41
 early decision 40
 examinations 41
 requirements 40
 Alumni 39
 Applicants not high school graduates 44
 Application
 admission 40
 scholarship 47
 Arabic 49
 Art 49
 Athletics 38
 Attendance 30
 Auxiliary Services 17, 38
 Average, academic 32

 Bachelor of Arts 23
 Bachelor of Science 27
 Bequests 102
 Bible 50
 Biology 51
 Board of Trustees 7

 Calendar, academic 5
 Categories of students 44
 Chemistry 52
 Classes, credits for enrollment in 34
 Classical Languages 54
 Clubs 39
 Co-curricular activities 38
 College Entrance Examination Board
 40, 41, 42
 College Scholarship Service 46

 Combination plan 28
The Commentator 39
 Committees of the faculty 14
 Comprehensive examinations 26
 Co-operative store 39
 Courses, description of 48
 Courses at other colleges 35, 42
 Curriculum
 Bachelor of Arts 23
 Bachelor of Science 27

 Dean's Honor List 32
 Definitions 48
 Degree requirements
 Bachelor of Arts 24
 Bachelor of Science 27
 Dentistry 24
 Diplomas 37
 Dormitories 23, 37
 Drafting 55
 Dramatic presentations 39

 Economics 56
 Education 58
 Engineering 24
 English 59
 Enrollment, current 21
 Examinations 31
 Expenses 46
 Extracurricular activities 38

 Faculty 10
 Faculty organization 14
 Fees 45
 Financial aid 46
 Fine Arts 49, 76
Le Flambeau 39
 Foreign applicants 43
 French 62

 German 64
 Gifts 102
 Grades 32
 Graduate courses 36
 Graduation requirements 24, 27
 Greek 54
 Guidance 38

- Health 37
Hebrew 66
History 69
Honors 33, 96
Honors work 33
Housing 37
Hygiene 72
- Independent work 33
Information, where to secure 4
Injuries 37
Interdepartmental majors 24
Irregular students 44
- Jewish History 72
Jewish studies 24, 25
Jewish Studies Program 25, 69
- Lateness 30
Latin 55
Law 24
Leaves of absence 36
Libraries 17, 22, 23
Library courses 73
Linguistics 73
Loans 47
- Main Center 22
Majors 23, 24, 27
Masmid 39
Mathematics 73
Medicine 24
Music 39, 76
- National Defense Student Loan
Program 47
New York State Higher Education
Assistance Corporation 47
- Orientation 79
- Philosophy 79
Physical Education 81
Physics 82
Political Science 85
Posters 37
Prizes 96
Probation 33
Professional preparation 24
Programs of study 26, 29, 35
- Provisional students 44
Psychology 87
- Rabbi Isaac Elchanan Theological
Seminary 25, 66
Records 36
Registration, maintenance of 36
Regular students 44
Regulations, academic 30
Remedial English 59
Remedial Speech 94
Requirements for graduation 24, 27
Russian 90
- Scholarships 46
Scholastic standing 33
Sociology 90
Spanish 93
Special students 44
Speech 94
Student activities 37
Student finances 45
Student government 38
Student publications 39
Student welfare 37
Summer-session credit 35
Syriac 95
- Teachers Institute for Men 25, 66, 69
Transcripts 36
Transfer students 42
Transient students 44
Trustees, Board of 7
Tuition 45
Tuition Plan 46
- Unclassified students 44
University's name, use of the 37
- Veterans 42
- Withdrawal 32, 45
Work load 35
- Yeshiva College background 21
Yeshiva University
background 15
brief history 18
Schools and Divisions 98
Yiddish 95

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 spiritual and cultural citadel of learning can help.

Full information may be secured from the Director of Development, Yeshiva University, 110 West 57th Street, New York 19, N. Y. (JUdson 2-5200).

Suggested Form of Bequest

I hereby give and bequeath to Yeshiva University the sum of \$.....
to be used for the furtherance of its educational purposes.

