Yeshiva University

Addendum to the Yeshiva College 2024-2026 Academic Catalog

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This document serves as an addendum to the Yeshiva College 2024-2026 Academic Catalog. This addendum replaces the original General Education, Jewish Studies, Major, and Minor academic program requirements as of July 1, 2025. Students are responsible for reviewing and adhering to the policies, procedures, and requirements outlined in this addendum and the most current Academic Catalog. This addendum is subject to further revision as necessary and applicable regulations set forth by Yeshiva University and the New York State Education Department (NYSED).

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Yeshiva College

Founded in 1928, Yeshiva College is Yeshiva University's undergraduate college of arts and sciences for men. Its programs embody a unique mission: to combine Jewish learning with the study of the classical liberal arts. Students at the College pursue a dual educational program that combines academic inquiry in classical liberal arts with the study of Torah and Jewish heritage. Located at the University's Wilf Campus, the College's proximity to several of the University's other schools and affiliates provides students with a stimulating academic atmosphere. All major resources of the institution are easily accessible from this location. As a liberal arts college in the vibrant urban center that is New York City, Yeshiva College continues to meet the needs of our students in the 21st century through the ongoing development of a broad set of educational programs, student services, and extracurricular activities.

The College provides academic majors in arts and sciences disciplines, culminating in the Bachelor of Arts or Bachelor of Science degree. In addition, combined and joint degree programs are offered in several other disciplines in conjunction with the University's graduate schools and other leading universities including economics, engineering, Jewish education, Jewish studies, mathematics, optometry, physical therapy, physician's assistant, podiatry and social work. Students also participate in one of four distinct programs of morning Torah studies designed to meet the needs and interests of our students: the Isaac Breuer College of Hebraic Studies (IBC), the James Striar School of General Jewish Studies (JSS), Yeshiva Program/Mazer School of Talmudic Studies (MYP), or Irving I. Stone Beit Midrash Program (SBMP). Each student in Yeshiva College must be enrolled throughout his stay in a full-time course of study in one of the four programs. The Jay and Jeanie Schottenstein Honors Program, established in 1999, is designed for students who seek intellectually rigorous experiences, individualized mentoring, and academic challenges beyond the ordinary. The program augments the College's educational programs and enhances academic opportunities for all Yeshiva College students.

The curriculum at Yeshiva College includes general education core requirements, major requirements, and elective courses. Majors at Yeshiva College lead to the degree of Bachelor of Arts or Bachelor of Science. Students consult advisors in the Academic Advising Center, which also offers guidance in the areas of pre-law, pre-health, and pre-engineering. Students may also seek guidance regarding major requirements from academic advising or the faculty in the major discipline. Minors may be taken by Stern College, Yeshiva College, and Sy Syms students.

Refer to the Sy Syms School of Business catalog for business minors.

Yeshiva College, BA

Overview

To earn a Bachelor of Arts degree from Yeshiva College, students must complete 128 credits including the General Education, Jewish Studies, major requirements and electives as needed. Students must also complete courses in one of the four morning Torah Studies programs each full-time semester.

Residency Requirements: At least 60 percent of the required credits in the major must be taken at Yeshiva College. All students must complete a minimum of six full-time semesters and a minimum of 84 credits in residence at the Wilf Campus in New York, with at least 24 of their last 35 credits taken on campus at Yeshiva College. Students transferring from an outside institution, students transferring from the Katz School, and students who have participated in the S. Daniel Abraham Israel Program before attending YU, should consult with an academic advisor regarding their residency requirements.

Requirements (42 credits)

General Education Core

Writing Courses

FYWR 1020	First Year Writing	3
	Complete one course with a "WI" Writing Intensive attribute	

Complete one course from each of the following categories:

	Contemporary World Cultures (COWC attribute)	3
	Cultures Over Time (CUOT attribute)	3
	Interpreting the Creative (INTC attribute)	3
	Human Behavior and Social Institutions (HBSI attribute)	3
	Natural World (NAWO attribute)	3
	And	
	Experimental and Quantitative Methods (EXQM attribute)	3
	Or	
	One year of laboratory science combined with one year of mathematics	

Jewish Studies Requirements

Hebrew Language

All students (except those exempt as indicated below) take the Hebrew placement exam to determine their Hebrew requirement. Depending on their performance on the placement exam, students will be placed into one of the following categories. They will be notified of their placement via email shortly after the placement exam.

Category 1: Wilf students in IBC, BMP, and MYP must complete the synchronous sections of HEB 1010 and HEB 1020. Students in this category will have satisfied their Hebrew language requirements upon completion of HEB 1020. They are not required to take HEB 1030.

IBC students can opt to take these as part of IBC or as part of their afternoon program.

Category 2: Students must complete HEB 1010 and HEB 1020 (synchronous or asynchronous). Students in this category will

have satisfied their Hebrew language requirements upon completion of HEB 1020. They are not required to take HEB 1030.

Category 3: Students must complete HEB 1030 (synchronous or asynchronous).

Category 4: Students must complete one advanced course: HEB 1040.

Category 5: Exempt pending writing sample.

Other exemptions: Bagrut certificate; Jerusalem Exam score of 85% or above

Students in Wilf JSS do not take the main Hebrew placement exam. Rather, they are placed into tracked Hebrew courses within JSS, two-semester sequence, HEB 1203 and HEB 1204.

Complete one set of Jewish Studies Series requirements:

Jewish Studies Series for MYP, BMP and IBC

Complete at least 12 credits (4-6 courses, as some Jewish Studies courses are 2 credits). One course must come from each of the following three categories:

BIB	Bible	2-3
JHI	Jewish History	2-3
JTP	Jewish Thought and Philosophy	2-3
	One or more HEB (in addition to the HEB requirement), BIB, JHI, JST, or JTP courses.	3-6

Jewish Studies Series for James Striar School (JSS)

FTOC Chabura
Complete one course from each subject area:
HAL, JHI
Complete two courses from each subject area:
HEB, JTH, TAN
Complete any additional course from the following: HAL, JHI, JTH, TAN

Yeshiva College, BS

Overview

To earn a Bachelor of Science degree from Yeshiva College, students must complete 128 credits including the General Education, Jewish Studies, major requirements and electives as needed.

Residency Requirements: At least 60 percent of the required credits in the major must be taken at Yeshiva College. All students must complete a minimum of six full-time semesters and a minimum of 84 credits in residence at the Wilf Campus in New York, with at least 24 of their last 35 credits taken on campus at Yeshiva College. Students transferring from an outside institution, students transferring from the Katz School, and students who have participated in the S. Daniel Abraham Israel Program before attending YU, should consult with an academic advisor regarding their residency requirements.

Requirements (42 credits)

General Education Requirements (22 credits)

Computer Science BS students do not follow the standard general education requirements for Yeshiva College. Their general education requirements are as follows:

FYWR 1020	First Year Writing	3
	Two courses from the following: BIB, JHI, JST, or JTP	4
	One Cultures Over Time (CUOT) course	3
	Or	
	One Contemporary World Cultures (COWC) course	3
	One Interpreting the Creative (INTC) course	3
	One Human Behavior and Social Institutions (HBSI) course	3
	Complete two elective courses from any of the following YC Departments: ART, BIO, BIB, CHE, ECO, ENG, HEB, HIS, JHI, JST, JTP, MUS, PHI, PHY, POL, PSY, SOC, SPA	6

Jewish Studies Requirements

Hebrew Language

All students (except those exempt as indicated below) take the Hebrew placement exam to determine their Hebrew requirement. Depending on their performance on the placement exam, students will be placed into one of the following categories. They will be notified of their placement via email shortly after the placement exam.

Category 1: Wilf students in IBC, BMP, and MYP must complete the synchronous sections of HEB 1010 and HEB 1020. Students in this category will have satisfied their Hebrew language requirements upon completion of HEB 1020. They are not required to take HEB 1030.

IBC students can opt to take these as part of IBC or as part of their afternoon program.

Category 2: Students must complete HEB 1010 and HEB 1020 (synchronous or asynchronous). Students in this category will have satisfied their Hebrew language requirements upon completion of HEB 1020. They are not required to take HEB 1030.

Category 3: Students must complete HEB 1030 (synchronous or asynchronous).

Category 4: Students must complete one advanced course: HEB 1040.

Category 5: Exempt pending writing sample.

Other exemptions: Bagrut certificate; Jerusalem Exam score of 85% or above

Students in Wilf JSS do not take the main Hebrew placement exam. Rather, they are placed into tracked Hebrew courses within JSS, two-semester sequence, HEB 1203 and HEB 1204.

Complete one set of Jewish Studies Series requirements:

Jewish Studies Series for MYP, BMP and IBC

Complete at minimum of 12 credits, including one course from each of the following categories:

BIB	Bible	2-3
JHI	Jewish History	2-3
JTP	Jewish Thought and Philosophy	2-3
	One or more HEB (in addition to the HEB requirement), BIB, JHI, JST, or JTP courses.	3-6

Jewish Studies Series for James Striar School (JSS)

FTOC Chabura
Complete one course from each subject area:
HAL, JHI
Complete two courses from each subject area:
HEB, JTH, TAN
Complete any additional course from the following: HAL, JHI, JTH, TAN

Programs of Study Majors and Minors

Architecture Minor

Overview

The Architecture minor allows students to explore built environments through both design studios and architectural history courses. Through a series of increasingly complex exercises, students discover how spaces are made.

The studio method focuses on the development of the visual and verbal skills needed to approach conceptual and three-dimensional problem solving intelligently. Students will begin to understand basic design skills as well as develop a vocabulary for expressing their intentions. The design studios employ a dual approach: analysis and synthesis. Beginning with analysis of specific buildings from the canon of twentieth-century architecture, students learn how the designer applied a vocabulary of visual concepts to built form.

Complementing the design studios is a series of architectural history courses that employ New York City as a museum without walls. Through numerous site visits, students learn about shaping human habitats, from rooms to houses, to public buildings, and to cities. They learn to classify environments based on era, scale, purpose, style, and context.

Requirements (18 credits)

To complete the Architecture minor, students must earn 18 credits, consisting of three core courses (9 credits) and three elective courses (9 credits).

Core Courses

ART 1633	Language of Architecture	3
ART 1831	Architectural Design Process	3
ART 1832	Architectural Design Studio	3

Electives

Complete three of the following courses:

ART 1019	Modernist Impulse in Art and Arch	3
	Or	
ART 1660	Cultures of Modern Architecture	3
ART 1630	American Architecture	3
ART 1635	Evolution of the Skyscraper	3
ART 1650	Architecture of the Synagogue	3
ART 2201	Color and Design	2
	Or	
ART 2301	Principles of Drawing	2
	Or	
ART 2302	Advanced Drawing	3
	Or	
ART 2511	Beginning Painting I	2
	Or	
ART 2901	Printmaking	3

Biochemistry, BA

Overview

Biochemistry is the study of the chemical processes that occur within and relate to living organisms. As a multidisciplinary field at the intersection of biology and chemistry, biochemistry explores the molecular mechanisms that underlie cellular function, genetic expression, and metabolic pathways. The Biochemistry major provides students with a solid foundation in the biomedical sciences, the understanding of chemical principles, the application of experimental techniques, and the communication of scientific ideas.

Students will develop critical thinking and analytical skills through coursework in biology, chemistry, physics, and mathematics with hands-on laboratory experience and research opportunities. The program prepares graduates for careers in biomedical research, healthcare, biotechnology, pharmaceuticals, and for advanced study in graduate or professional schools.

Degree Requirements

To earn the Bachelor of Arts in Biochemistry, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (52-54 credits)

Core Courses

BIO 1011	Principles of Biology I Lecture	3
BIO 1012	Principles of Biology II Lecture	3
BIO 1013	Principles of Biology I Lab	1
BIO 1014	Principles of Biology II Lab	1
CHE 1045	General Chemistry Lecture	3
CHE 1046	General Chemistry II Lecture	3
CHE 1047	General Chemistry II Lab	2
CHE 1215	Organic Chemistry I Lab	2
CHE 1213	Organic Chemistry I Lecture	3
CHE 1214	Organic Chemistry II Lecture	3
CHE 1415	Physical Chemistry I	3
	Or	
CHE 1416	Physical Chemistry II	3
BIO 1376	Principles of Biochemistry	3
	Or	
CHE 1376	Principles of Biochemistry	3
BIO 1377	Biochemistry Lab	2
	Or	
CHE 1377	Principles of Biochemistry Lab	2
BIO 1378	Advanced Biochemistry	3
	Or	
CHE 1378	Advanced Biochemistry	3
MAT 1412	Calculus I	4
PHY 1031	Introductory Physics I Lecture	3
PHY 1032	Introductory Physics II Lecture	3
PHY 1033	Introductory Physics I Lab	1

PHY 1034	Introductory Physics II Lab	1
BIO 1372	Bioinformatics	4
	Or	
CHE 1372	Bioinformatics	4
	Or	
CHE 1379	Chemistry of Metals in Biology	4

Electives

Complete one of the following courses:

BIO 3207	Cell Biology	4
BIO 3230	Immunology	2
BIO 3513	Genetics	4
BIO 3521	Molecular Biology	4

Biology, BA

Overview

The Biology major trains students in the core principles of biology with a strong emphasis on the biomedical sciences. The curriculum provides a broad foundation in the life sciences, covering key areas such as molecular and cell biology, genetics, ecology, evolution, physiology, and anatomy. Students develop essential skills in laboratory techniques, critical evaluation of scientific literature, and effective communication of scientific ideas. Through rigorous coursework and hands-on lab experience, the program prepares students to think analytically and engage deeply with biological concepts.

Graduates of the Biology major pursue diverse career paths, including healthcare professions such as medicine, dentistry, and veterinary science, as well as roles in research, laboratory science, environmental conservation, policy, biotechnology, and pharmaceuticals. The program is designed to support students in achieving their academic and professional goals while fostering a strong foundation for advanced study and meaningful contributions to the scientific community.

Degree Requirements

To earn the Bachelor of Arts in Biology, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (43-49 credits)

Core Courses

BIO 1011	Principles of Biology I Lecture	3
BIO 1012	Principles of Biology II Lecture	3
BIO 1013	Principles of Biology I Lab	1
BIO 1014	Principles of Biology II Lab	1
CHE 1045	General Chemistry Lecture	3
CHE 1046	General Chemistry II Lecture	3
CHE 1047	General Chemistry II Lab	2
MAT 1410	Fundamentals of Calculus	4
	Or	
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
	Or	
STA 1021	Introduction to Statistics	3

Electives

Complete two of the following advanced lab courses:

BIO 3513	Genetics	4
	Or	
BIO 3521	Molecular Biology	4
BIO 3207	Cell Biology	4
	Or	
BIO 4023	Microbiology	4

Complete a minimum of 8 credits from the following:

	One or more advanced lab courses not taken above	4-8

BIO 1376	Principles of Biochemistry	3
	And	
BIO 1377	Biochemistry Lab	2
BIO 2320	Human and Comparative Anatomy	4
BIO 3728	Human Physiology	4

Complete a minimum of four credits from the following:

BIO 1372	Bioinformatics	4
BIO 1376	Principles of Biochemistry	3
BIO 3230	Immunology	2
BIO 3804	Psychobiology	3
BIO 4901	Independent Study	1 TO 3
BIO 4931	Topics in Biology	2 TO 4
BIO 4934	Special Topics	0 TO 2

BIO 1376 may only count once toward the elective requirement.

Courses within any given major or minor require a grade of a "C-" or better to fulfill its requirement.

Biology Minor

Overview

The Biology minor provides students with a basic understanding of biology, complementing their major field of study. It allows for exploration of the natural world, including opportunities for research and interdisciplinary connections. A biology minor can enhance career prospects in various fields, including science, education, and related industries.

Requirements (20 credits)

To complete the Biology minor, students must earn a total of 20 credits, consisting of four core courses (8 credits) and three elective courses (12 credits).

Core Courses		
BIO 1011	Principles of Biology I Lecture	3
BIO 1012	Principles of Biology II Lecture	3
BIO 1013	Principles of Biology I Lab	1
BIO 1014	Principles of Biology II Lab	1
Electives		
	Two Advanced Laboratory Courses	8
	One Additional BIO course	

Chemistry, BA

Overview

The Chemistry major provides students with a solid foundation in the chemical sciences, developing the understanding of chemical principles, the application of experimental techniques, and the communication of scientific ideas. It offers an in-depth exploration of matter and its transformations, covering key disciplines such as general, organic, inorganic, physical, and analytical chemistry. Students gain hands-on experience in laboratory methods, sharpen their problem-solving abilities, and enhance their skills in research and scientific communication. This program is well-suited for individuals who are curious about the natural world and enjoy tackling complex scientific challenges.

Graduates are prepared for a wide range of careers in fields like pharmaceuticals, environmental science, education, research, and industry. Many students also participate in internships and research opportunities, which provide valuable real-world experience and support their professional growth.

Degree Requirements

To earn the Bachelor of Arts in Chemistry, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (49 credits)

Core Courses

CHE 1045	General Chemistry Lecture	3
CHE 1046	General Chemistry II Lecture	3
CHE 1047	General Chemistry II Lab	2
CHE 1122	Chemical Analysis	4
CHE 1213	Organic Chemistry I Lecture	3
CHE 1214	Organic Chemistry II Lecture	3
CHE 1215	Organic Chemistry I Lab	2
CHE 1222	Advanced Laboratory Techniques	1 TO 4
CHE 1415	Physical Chemistry I	3
CHE 1416	Physical Chemistry II	3
CHE 1937	Seminar in Adv Chemistry	1 TO 3
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
PHY 1031	Introductory Physics I Lecture	3
PHY 1032	Introductory Physics II Lecture	3
PHY 1033	Introductory Physics I Lab	1
PHY 1034	Introductory Physics II Lab	1

Electives

Complete one of the following:

CHE 1372	Bioinformatics	4
CHE 1376	Principles of Biochemistry	3
	Or	
BIO 1376	Principles of Biochemistry	3
CHE 1379	Chemistry of Metals in Biology	4

Recommended Courses

BIO 1011	Principles of Biology I Lecture	3

BIO 1012	Principles of Biology II Lecture	3
BIO 1013	Principles of Biology I Lab	1
BIO 1014	Principles of Biology II Lab	1

Chemistry Minor

Overview

The Chemistry minor offers students a solid foundation in chemical principles while allowing flexibility to explore advanced topics. With core courses in general and organic chemistry, plus options like biochemistry, the program blends rigorous science with real-world relevance. It is a relevant course of study for future scientists, educators, or healthcare professionals, and for anyone eager to explore the chemistry behind everyday life.

Requirements (23 credits)

Core Courses

CHE 1045	General Chemistry Lecture	3
CHE 1046	General Chemistry II Lecture	3
CHE 1047	General Chemistry II Lab	2
CHE 1213	Organic Chemistry I Lecture	3
CHE 1214	Organic Chemistry II Lecture	3
CHE 1215	Organic Chemistry I Lab	2
CHE 1122	Chemical Analysis	4
	Or	
CHE 1415	Physical Chemistry I	3

Complete one of the following courses:

CHE 1372	Bioinformatics	4
CHE 1376	Principles of Biochemistry	3
	Or	
BIO 1376	Principles of Biochemistry	3
CHE 1379	Chemistry of Metals in Biology	4
CHE 1415	Physical Chemistry I	3
CHE 1416	Physical Chemistry II	3

Computer Science, BS

Overview

The Computer Science major includes concentrations in Artificial Intelligence and Distributed Systems.

The Artificial Intelligence concentration equips students with the knowledge and skills to design and implement cutting-edge AI technologies. Students study computer science and software engineering fundamentals, as well as statistical and probabilistic approaches to decision making and software systems. They develop an in-depth understanding of the major aspects of AI: Artificial Intelligence, Machine Learning, Computer Vision, and Natural Language Processing. This concentration prepares graduates for careers in data-rich industries, such as technology, finance, marketing, and logistics, by providing a strong foundation in both theoretical concepts and practical applications.

The Distributed Systems concentration focuses on building large-scale software systems critical to various industries such as technology, finance, healthcare, and logistics. Students study Computer Science and software engineering fundamentals; develop detailed knowledge of every level of the software stack; learn to build software at various scales; and develop understanding of the architecture and proper use of a range of database technologies. The program provides students with the theoretical foundations and practical skills required for long term success in industry and in graduate school.

Degree Requirements

To earn the Bachelor of Science in Computer Science, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Artificial Intelligence Concentration Requirements (75 credits)

COM 1300	Introduction to Computer Science	4
COM 1310	Mathematics for Computer Science	4
COM 1320	Data Structures	4
COM 2113	Computer Organization	4
COM 2545	Algorithms	4
COM 2546	Design and Analysis of Algorithms	4
COM 3580	Modern Data Management	3
COM 3610	Operating Systems	3
COM 3640	Programming Languages	3
COM 3760	Artificial Intelligence	3
COM 3800	Distributed Systems	3
COM 3820	Parallel Algorithms and Programming	3
COM 3920	Machine Learning	3
COM 3930	Natural Language Processing	3
COM 4010	Advanced Machine Learning	3
COM 4020	Data Science Capstone Project	1 TO 4
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
MAT 1510	Multivariable Calculus	4
MAT 2105	Linear Algebra	3
MAT 2461	Probability Theory	3
MAT 2462	Mathematical Statistics	3

Distributed Systems Concentration Requirements (68 credits)

COM 1300	Introduction to Computer Science	4

COM 1310	Mathematics for Computer Science	4
COM 1320	Data Structures	4
COM 2113	Computer Organization	4
COM 2512	Networking and Communications	3
COM 2545	Algorithms	4
COM 2546	Design and Analysis of Algorithms	4
COM 3563	Database Implementation	3
COM 3580	Modern Data Management	3
COM 3610	Operating Systems	3
COM 3640	Programming Languages	3
COM 3645	Compilers and Tools	3
COM 3760	Artificial Intelligence	3
COM 3800	Distributed Systems	3
COM 3810	Advanced Distributed Systems	3
COM 3820	Parallel Algorithms and Programming	3
COM 4020	Data Science Capstone Project	1 TO 4
COM 4580	Cybersecurity	3
MAT 1412	Calculus I	4
MAT 2105	Linear Algebra	3

Computer Science Minor

Overview

The Computer Science minor provides students with a solid foundation in key areas of computer science, including programming, algorithms, and data structures. The program is designed to complement a variety of major fields, offering students the technical skills and analytical abilities needed to excel in today's technology-driven world. Through coursework and hands-on projects, students gain practical experience and problem-solving skills that are highly valued in many industries. The minor also encourages participation in extracurricular activities such as coding clubs and internships, enhancing students' professional development and networking opportunities.

Requirements (26 credits)

COM 1300	Introduction to Computer Science	4
COM 1310	Mathematics for Computer Science	4
COM 1320	Data Structures	4
COM 2545	Algorithms	4
MAT 1412	Calculus I	4
MAT 2105	Linear Algebra	3
	Complete one additional COM course	

Economics, BA

Overview

The Economics BA will prepare students either for employment or further study in economics or related fields by providing them with analytical and quantitative skills that practitioners, researchers, and policymakers use to understand how markets allocate scarce resources.

Students will master the core concepts in economics, be able to apply them to real world problems, and effectively communicate economic ideas. They will gain exposure to one or more sub-specialties within economics, including but not limited to international trade, finance, labor economics, public finance, game theory, and econometrics.

Students may choose to complete either the Economics Major or the Economics Major with Mathematics Concentration.

Degree Requirements

To earn the Bachelor of Arts in Economics, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Economics Major Requirements (34 credits)

Core Courses

ECO 1101	Microeconomic Analysis	3
ECO 1201	Macroeconomic Analysis	3
ECO 1010	Principles of Economics	3
ECO 1421	Econometrics	3
MAT 1410	Fundamentals of Calculus	4
	Or	
MAT 1412	Calculus I	4
STA 1021	Introduction to Statistics	3

Electives

Complete three courses from the list below (9 credits total). A maximum of 6 credits may be applied from finance and accounting courses combined, with no more than 3 credits from accounting.

ECO 1010	Principles of Economics	3
ECO 1221	Money, Banking, and Financial Markets	3
ECO 1501	Public Finance	3
ECO 1601	Economic Development	3
ECO 1701	International Economics	3
ECO 2005	Economics of the Law	3
ECO 2201	Labor Economics	3
ECO 2531	Health Economics	3
ECO 4931	Topics in Economics	3

Advanced Electives

Complete two of the following courses:
Advanced economics electives are those with either ECO 1101 or ECO 1201 as pre-requisites

ECO 1177	Game Theory	3

ECO 2601	Financial Economics	3
ECO 2801	Auctions and Market Design	3
ECO 4931	Topics in Economics	3

Economics with Mathematics Concentration (36 credits)

Core Courses

ECO 1101	Microeconomic Analysis	3
ECO 1201	Macroeconomic Analysis	3
ECO 1421	Econometrics	3
	Or	
MAT 2462	Mathematical Statistics	3
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
MAT 1510	Multivariable Calculus	4
STA 1021	Introduction to Statistics	3
	Or	
MAT 2461	Probability Theory	3

Electives

Complete two courses from the following:

ECO 1010	Principles of Economics	3
	Or	
	One Finance/Accounting course	
ECO 1221	Money, Banking, and Financial Markets	3
ECO 1501	Public Finance	3
ECO 1601	Economic Development	3
ECO 1701	International Economics	3
ECO 2005	Economics of the Law	3
ECO 2201	Labor Economics	3
ECO 2531	Health Economics	3
ECO 4931	Topics in Economics	3

Advanced Electives

Complete two of the following Advanced Economics courses:

ECO 1177	Game Theory	3
ECO 2601	Financial Economics	3
ECO 2801	Auctions and Market Design	3
ECO 4931	Topics in Economics	3

Economics Minor

Overview

The Economics minor provides students with a solid foundation in economic theory and analytical tools, enhancing their understanding of how modern economies allocate resources and respond to policies, technology, and institutions. The program complements various majors, including mathematics, social sciences, and pre-engineering, by offering courses in microeconomics, macroeconomics, and contemporary economic issues. Students develop critical thinking and problem-solving skills, preparing them for careers in fields such as law, business, journalism, and public policy, among others.

Requirements (18 credits)

ECO 1010	Principles of Economics	3
ECO 1101	Microeconomic Analysis	3
	Or	
ECO 1201	Macroeconomic Analysis	3
	And	
	Four additional ECO courses	

English, BA

Overview

The English major at Yeshiva College offers students a rich and immersive exploration of literature, writing, and critical thought. Through courses spanning classical Greece, medieval Europe, Victorian Britain, and contemporary global literature, students engage deeply with diverse cultures and historical periods. The curriculum emphasizes both analytical and creative development, helping students become articulate thinkers and compelling writers. From poetry and fiction to film and digital media, the program encourages students to explore a wide range of genres and forms, fostering a nuanced understanding of human expression and achievement.

In addition to Major Core Courses, students in the English major may choose one area of focus either Creative Writing or Literary Studies. Students taking the Creative Writing focus develop the ability to express themselves with clarity and power, as well as becoming familiar with a range of contemporary approaches to texts and cultures. Students taking the Literary Studies focus encounter literary works from a range of culture and time periods, learn different approaches to the analysis of those works, and develop analytically and creatively as writers and thinkers.

Degree Requirements

To earn the Bachelor of Arts in English, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (33 credits)

Core Courses

ENG 2010	Interpreting Texts	3
ENG 3005	Advanced Seminar	3
ENG 4001	Senior Colloquium	3

Electives

Complete 24 credits of English elective courses (English Major Electives without focus)
See optional areas of focus below.

English Literature focus:

-Only two of these electives may be courses numbered ENG 1000-1099
-Only two may be creative writing courses numbered ENG 1300-1899
-At least two English courses numbered 2011-3999 must focus on the two categories listed below 1) Pre 1700 Period (Medieval to Early Modern Literature & Culture) British Literature 2) 1700-1900 period (18th - 19th Century Literature and Culture)

Creative Writing focus:

Literary Studies Electives
Complete three ENG courses outside ENG 1300-1899
Note: only two of these electives may be General Education Core courses numbered ENG 1000-1099

Creative Writing Electives
Complete five ENG courses from ENG 1300-1899.

English Minor

Overview

The English minor provides a flexible and engaging program that allows students to immerse themselves in a variety of literary genres and historical contexts. The minor offers a broad selection of courses, enabling students to tailor their studies to their specific interests. By exploring poetry, fiction, nonfiction, drama, and film, students enhance their analytical and writing abilities. This minor is an excellent complement to other majors, equipping students with valuable skills for careers in law, education, journalism, the arts, and beyond.

Requirements (18 credits)

ENG 2010	Interpreting Texts	3
	Complete five ENG courses	

Only two core ENG courses numbered ENG 1001-ENG 1099 may be used, and only one creative writing course numbered ENG 1300-ENG 1899 may be counted towards the English minor.

History, BA

Overview

The BA in History will introduce students to the complex and often competing narratives of world history, inviting them to examine sources objectively and formulate their own conclusions as to meaning.

In moving across chronological divisions and geographic boundaries, the History curriculum is designed to provide foundational knowledge while encouraging independent thought. Through written work and lively class discussion, students acquire the ability to craft a persuasive argument and present it cogently to their peers. More importantly, they gain an awareness of the vast richness of the human experience, and their own role as citizens, scholars, and members of the global community.

Degree Requirements

To earn the Bachelor of Arts in History, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (33 credits)

Core Courses

HIS 1101	The Emergence of Europe	3
HIS 1102	The Transformations of Europe, 1648-1989	3
HIS 3001	Ideas of History I	3

Complete two of the following courses:

HIS 1201	Survey of United States History I	3
HIS 1202	Survey of United States History II	3
HIS 2220	History of the American Presidency	3
HIS 2225	Social Movements in American History	3
HIS 2231	History of New York City: People, Communities, Politics, Culture	3
HIS 2232	History of Jews of New York	3
HIS 2520	The Atlantic World	3
HIS 2913	Immigrant Nations: US and Israel	3

Electives

	Complete six courses in HIS 2000-4999	

Up to 12 credits in Jewish History JHI, beyond those required by the Jewish Studies distribution requirement, may count toward the major.

History Minor

Overview

The History minor offers students a rich exploration of historical events, cultures, and ideas. The program emphasizes critical thinking and analytical skills, allowing students to understand and interpret the past's impact on the present. Through a diverse range of courses, students gain insights into various historical periods and themes, preparing them for careers in education, law, public policy, and more.

Requirements (18 credits)

HIS 1101	The Emergence of Europe	3
HIS 1102	The Transformations of Europe, 1648-1989	3
	Complete four HIS courses	

Choose HIS courses: At least 3 credits in American history.

Jewish Studies, BA

Overview

Academic Jewish studies at Yeshiva College involves applying the tools of the academy to the Jewish heritage: majoring in Jewish Studies will provide students with a broad and sophisticated appreciation of Judaism and the Jewish people. The curriculum includes in-depth study of the Hebrew Bible and the Talmud, emphasizing textual analysis and historical context. Students also explore Jewish history, tracing the development of Jewish communities and identities across time and place; Jewish philosophy, engaging with the ideas and thinkers that have shaped Jewish thought; and Jewish literature, examining works that reflect and contribute to Jewish cultural expression. The program fosters critical thinking, close reading of primary and secondary sources, and independent research skills, preparing students for graduate-level study in Jewish Studies and related fields.

The Jewish Studies major consists of a minimum of 24 credits. This includes 8 courses in Jewish Studies beyond the Jewish core requirements and 3 courses from related disciplines (HIS, PHI, ENG, PSY, SOC), subject to approval by a departmental advisor. No credits in HES may be counted toward the degree.

Degree Requirements

To earn the Bachelor of Arts in Jewish Studies, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (24 credits)

Core Requirements

Complete five courses in one of the following categories:

JHI	Jewish History
HEB	Hebrew
BIB	Bible
JTP	Jewish Thought and Philosophy
BIB JHI 1200-1299, NES	Ancient
JHI 1300-1300	Medieval
	Or
JTP 1300-1399	Medieval
JHI 1400-1499	Modern
	Or
JTP 1400-1499	Modern

Electives

	Complete three courses from BIB, HEB, JHI, JST, JTP, or NES
	Complete three courses (minimum of eight credits) from HIS, PHI, ENG (Literature), PSY or SOC

Jewish Studies Minor

Overview

The Jewish Studies minor is designed to educate students about Jewish civilization from biblical times through the present, and to develop their appreciation for the historical, cultural, and intellectual contexts in which Judaism arose and evolved. This minor complements a wide range of majors and prepares students for thoughtful engagement with Jewish tradition in both academic and personal contexts.

Requirements (13 credits)

Complete five courses (minimum of 13 credits) in either BIB, HEB, JHI, JTP, JST, NES.

Mathematics, BA

Overview

Following the guidelines of the Committee on the Undergraduate Program in Mathematics (CUPM) of the Mathematical Association of America (MAA), our curriculum provides a solid core of five required courses common to all concentrations (including the calculus sequence, probability, linear algebra), as well as specific knowledge and skills acquired through the required and elective courses in the chosen specialization. The “Pure and Applied Mathematics” specialization is mostly tailored to students who are potentially interested in pursuing an academic career, and in the future applying to graduate programs in mathematics, or mathematics-related disciplines; the “Computational Science” and the “Actuarial and Financial Mathematics” specializations are mostly tailored to students who are interested in pursuing high-ranking professional programs, or a specialized career in insurance, or banking industry, or in the government.

The mission of the undergraduate mathematics program, common to all specializations, is to produce graduates who can reason creatively and constructively about abstractly defined quantities. This is accomplished by developing students’ understanding of mathematical structures, the ability to write and evaluate rigorous proofs in which these structures appear, as well as their ability to perform useful calculations using these structures. All the specializations aim at providing a sound mathematical education establishing the bases needed to apply successfully to graduate programs, professional schools, or to obtain a job in business, industry, or government, or to become an educator in the sciences or mathematics.

Degree Requirements

To earn the Bachelor of Arts in Mathematics, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (42-45 credits)

Students complete core requirements and one of the following concentrations: Pure and Applied Mathematics, Computational Mathematics, or Actuarial and Financial Mathematics.

Core Courses		
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
MAT 1510	Multivariable Calculus	4
MAT 2105	Linear Algebra	3
MAT 2461	Probability Theory	3
Pure and Applied Mathematics Concentration Requirements		
MAT 1504	Discrete Mathematics and Applications	3
MAT 1520	Advanced Calculus I	3
MAT 2601	Ordinary Differential Equations	3
	And	
	Complete four of the following courses:	
MAT 1521	Advanced Calculus II	3
MAT 1540	Functions of a Complex Variable	3
MAT 2170	Topology	3
MAT 2215	Modern Algebra	3
MAT 2462	Mathematical Statistics	3
MAT 2611	Partial Differential Equations	3
	And	
	Complete one course (3 - 4 credits) from the following areas:	
COM 1000-4999	Artificial Intelligence	
COM 1000-4999	Computer Science	

IDS 1500-4999	Data Analytics and Visualization
MAT 1000-4999	Mathematics

IDS 1500-4999: Recommended: IDS 1556, IDS 2020, IDS 2030, IDS 2460, IDS 2550, IDS 3800.

Computational Mathematics Concentration Requirements

MAT 2462	Mathematical Statistics	3
MAT 2601	Ordinary Differential Equations	3
MAT 2651	Numerical Methods	3
	And	
	Complete four of the following courses:	
COM 1300	Introduction to Computer Science	4
COM 1310	Mathematics for Computer Science	4
COM 1320	Data Structures	4
COM 2545	Algorithms	4
COM 3920	Machine Learning	3
	And	
	Complete one course (3 - 4 credits) from the following areas:	
COM 1000-4999	Artificial Intelligence	
COM 1000-4999	Computer Science	
IDS 1500-4999	Data Analytics and Visualization	
MAT 1000-4999	Mathematics	

IDS 1500-4999: Recommended: IDS 1556, IDS 2020, IDS 2030, IDS 2460, IDS 2550, IDS 3800.

Actuarial and Financial Mathematics Concentration Requirements

MAT 2462	Mathematical Statistics	3
MAT 2601	Ordinary Differential Equations	3
MAT 2901	Mathematics of Finance	3
	And	
	Complete four of the following courses:	
ACC 1001	Accounting Principles I	3
ACC 1002	Accounting Principles II	3
ECO 1010	Principles of Economics	3
ECO 1101	Microeconomic Analysis	3
ECO 1201	Macroeconomic Analysis	3
ECO 1421	Econometrics	3
ECO 1601	Economic Development	3
FIN 1001	Principles of Finance	3
IDS 2020	Data Visualization	3
IDS 2030	Business Analytics and Programming	3
IDS 2160	Decision Models	3
IDS 2550	Business Intelligence and Consumer Insight	3
IDS 3000	Business Intelligence Capstone	3
	And	
	Complete one course (3 - 4 credits) from the following areas:	
COM 1000-4999	Artificial Intelligence	
COM 1000-4999	Computer Science	
IDS 1500-4999	Data Analytics and Visualization	
MAT 1000-4999	Mathematics	

IDS 1500-4999: Recommended: IDS 1556, IDS 2020, IDS 2030, IDS 2460, IDS 2550, IDS 3800.

Mathematics Minor

Overview

The Mathematics minor provides students with a strong foundation in mathematical principles and techniques, complementing their major studies. The curriculum includes courses in calculus, linear algebra, and upper-level electives that allow students to explore specialized areas such as probability, statistics, differential equations, mathematics of finance, and numerical method. This minor equips students with analytical and problem-solving skills essential for careers in fields like finance, engineering, and technology, among others.

Requirements (21 credits)

MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
MAT 1510	Multivariable Calculus	4
MAT 2105	Linear Algebra	3
	Complete two Advanced MAT courses, numbered 1500 or higher	

Media Studies Minor

Overview

The Media Studies minor allows students to focus on the interpretation, history, and artistic production of both traditional and emerging media forms, including print journalism, literature, film, television, and the internet. Students will have the opportunity to learn about the history of media; the ways in which media connects to other forms of cultural expression; its evolving social impact, and how to analyze its products and effects. Media Studies draws from courses across disciplines, including English, History, Sociology, Marketing and Computer Science. Students choose from a wide variety of electives based on their interest and focus.

Requirements (18 credits)

Core Courses

ENG 2010	Interpreting Texts	3

Complete one of the following Advanced Writing courses:

ENG 1833	Writing Digital Poetry	3
ENG 1895	Screenwriting	3

Complete one of the following 2000/3000 ENG courses:

ENG 2963	Graphic Novels and Animation	3
ENG 2920	Topics in Literature	3
ENG 3575	Approaches to Film	3

Complete one of the following related courses from another discipline (3 credits):

ART 2901	Printmaking	3
ART 2201	Color and Design	2
COM 1001	Programming for Non-CS majors	3
COM 3571	Data Visualization	3
HIST 2124	History of the Book: From Gutenberg to Google	3
JHI 3840	Israeli Life and Soc Thru Cinema	2 TO 3
MAR 3318	Social Media Marketing	3
MAR 3320	Digital Media	3
MAR 3323	Creative Advertising	3
MUS 1354	Film Music Studies	3
POL 2170	Media and Politics	3
SOC 2104	Media and Society	3

Complete two additional courses from any of the above categories &/or from the following:

ART 1019	Modernist Impulse in Art and Arch	3
ENG 1001	Books on Books/Films on Films	3
ENG 1026	Face-Face:Mod Identities Film	3
PSY 3110	Psychology and Public Opinion	3

Music Minor

Overview

The Music minor offers students a balanced program that combines academic coursework in music history, theory, and style analysis with performance opportunities in chamber ensembles, jazz ensemble, and applied music lessons. Students are encouraged to refine their performance skills through regular participation in music ensembles and lessons, enhancing their musical abilities and academic understanding.

Requirements (20 credits)

To complete the Music minor, students must earn a total of twenty credits, consisting of six credits of Music History, eleven credits of Music Theory, and three credits of Performance coursework.

Music History

Complete six credits from the following:

MUS 1013	Music and the World Wars	3
MUS 1111	Sense of Music	3
MUS 1014	American Musical Cultures	3
MUS 1018	Aesthetic Revolutions	3
MUS 1024	Verdi and Shakespeare	3
MUS 1350	Baroque and Classical Music History	3
MUS 1351	Romantic and Modern Music History	3
MUS 1352	Late Romantic and Modern History	3
MUS 1353	Early Modern Theories of Music	3
MUS 1354	Film Music Studies	3
MUS 1371	Rock, Rhythm and Blues	3
MUS 1391	Three Jazz Giants	3
MUS 4930	Topics in Music	3

Music Theory

Complete eight credits from the following:

MUS 2105	Music Fundamentals	3
MUS 2011	Elementary Ear Training I	1
MUS 2012	Elementary Ear Training II	1
MUS 2113	Music Theory III	3
MUS 2114	Music Theory IV	1

Students may be exempt from MUS 2105 by passing a placement test, administered by the department chair, at least one semester before enrolling in MUS 2111.

Performance

Complete three credits from the following:

MUS 1117	Introduction to Piano I	3
MUS 2120	Introduction to Composition	1
MUS 2121	Introduction to Composition II	1
MUS 3461	Performance: Chamber Music	1
MUS 3467	Jazz Ensemble	1
MUS 4111	Private Study/Applied Music	1 TO 3

Philosophy, BA

Overview

The Philosophy major covers key areas of philosophical inquiry, such as ethics, logic, metaphysics, and political philosophy. The curriculum includes studies in the history of philosophy, major thinkers, and specific philosophical problems, fostering intellectual engagement and thorough examination.

The program also offers opportunities to take interdisciplinary courses that interface with other fields, such as religious thought, mathematics, computer science, and political theory. Students learn to articulate complex ideas clearly and precisely, preparing them for careers in law, medicine, business, and academia.

Degree Requirements

To earn the Bachelor of Arts in Philosophy, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (30 credits)

Ethics and Value Theory

Complete one of the following courses:

PHI 1401	Great Political Thinkers: Introduction to Political Thought	3
PHI 1600	Ethics	3
PHI 1612	Ethics and Character	3
PHI 2532	Philosophy of Art	3
PHI 3100	Theories of Justice	3
PHI 3402	Philosophy of Law	3
PHI 4930	Topics in Philosophy	3
PHI 4931	Advanced Topics in Philosophy	3

PHI 4930 and PHI 4931 are applicable to this requirement when the topic is approved as relevant to Ethics and Value Theory

History of Philosophy

Complete two of the following courses:

PHI 2170	Ancient and Medieval Philosophy	3
PHI 2420	Modern Philosophy	3

Metaphysics and Epistemology

Complete three of the following courses:

PHI 1011	Introduction to Philosophy	3
PHI 1214	Suffering and Evil	3
PHI 1220	Philosophy of Language	3
PHI 1320	Theories of the Mind	3
PHI 1360	Theory of Knowledge	3
PHI 1400	Philosophy of Science	3
PHI 1550	Metaphysics	3
PHI 1710	Religion and Philosophy	3
PHI 2560	Philosophy in the 19th and 20th Centuries	3

PHI 4930 and PHI 4931 are applicable to this requirement when the topic is approved as relevant to Metaphysics and Epistemology.

Electives

Complete any four additional PHI courses from the categories above and/or the following:

PHI 1011	Introduction to Philosophy	3
PHI 2560	Philosophy in the 19th and 20th Centuries	3
PHI 4930	Topics in Philosophy	3
PHI 4931	Advanced Topics in Philosophy	3
PHI 4901	Independent Study	1 TO 3

Philosophy Minor

Overview

The Philosophy minor covers key areas in the discipline such as ethics, logic, metaphysics, and political philosophy. The curriculum includes courses that explore the history of philosophy, major thinkers, and specific philosophical problems, fostering critical thinking and rigorous analysis. Students learn to articulate complex ideas clearly and precisely, preparing them for careers in law, medicine, business, and academia, among others.

Requirements (18 credits)

Complete one of the following courses:

PHI 1600	Ethics	3
PHI 2405	Classical Political Theory	3
	One approved course in Value theory	

Complete two of the following courses:

PHI 1100	Logic	3
PHI 1220	Philosophy of Language	3
PHI 1320	Theories of the Mind	3
PHI 1360	Theory of Knowledge	3
PHI 1400	Philosophy of Science	3
PHI 1550	Metaphysics	3
	One approved course in Metaphysics and Epistemology	

Complete one of the following courses:

PHI 2170	Ancient and Medieval Philosophy	3
PHI 2420	Modern Philosophy	3

Required

	Complete two PHI courses	

Physics, BA

Overview

The Physics major provides an extensive education in the discipline, encompassing both theoretical and experimental physics. The curriculum includes foundational courses such as mechanics, electromagnetism, optics, and quantum physics, along with advanced topics like nuclear physics and thermodynamics. Students gain hands-on experience through state-of-the-art laboratory equipment and facilities, including 3D printers, laser cutters, and tools for machining.

The program emphasizes the development of mathematical skills and scientific reasoning, preparing students for diverse careers such as, engineering, law, medicine, and business. Interdisciplinary learning is also supported, allowing students to integrate their physics knowledge with other fields such as computer science and engineering. Graduates are well-prepared for advanced studies at top graduate schools and for professional roles in industry, where their expertise in physics is highly valued.

Degree Requirements

To earn the Bachelor of Arts in Physics, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (53 credits)

Core Courses		
PHY 1051	General Physics I Lecture	3
PHY 1052	General Physics II Lecture	3
PHY 1053	General Physics I Lab	1
PHY 1054	General Physics II Lab	1
PHY 2051	General Physics III	4
PHY 2052	General Physics IV	4
PHY 2550	Physics Computer Programming	3
PHY 4221	Classical Mechanics	3
PHY 4321	Electromagnetic Theory	3
PHY 4510	Statistical Mechanics	3
PHY 4621	Intro to Quantum Mechanics	3
PHY 4810	Advanced Physics Laboratory	3
PHY 4935	Physics Colloquium	1 TO 2
Mathematics Requirements		
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
MAT 1510	Multivariable Calculus	4
Physics Electives		
	Complete two additional PHY courses	

Physics Minor

Overview

The Physics minor provides students with a solid foundation in fundamental physics principles and techniques. The program includes coursework in mechanics, electromagnetism, optics, and quantum physics, complemented by hands-on laboratory experiences. The minor is designed to enhance students' analytical and problem-solving skills, making it a valuable addition to various major fields of study, such as mathematics, computer science, and engineering. Graduates with a physics minor are well-prepared for careers in science, technology, and other related fields, as well as for further academic pursuits.

Requirements (20 credits)

PHY 1051	General Physics I Lecture	3
PHY 1052	General Physics II Lecture	3
PHY 1053	General Physics I Lab	1
PHY 1054	General Physics II Lab	1
PHY 2051	General Physics III	4
PHY 2052	General Physics IV	4
	Complete 4 additional credits of PHY courses	4

Political Science, BA

Overview

The Political Science major offers a broad, engaging study of political systems, institutions, and behavior in the U.S. and globally. Through rigorous coursework and research, students explore topics like elections, policymaking, and social movements. The program builds critical thinking and communication skills, preparing graduates for careers in law, government, public policy, business, and beyond.

In addition to the general Political Science major, the Department of Political Science offers four optional concentrations: American Politics and Policy, Comparative Political Studies, International Affairs and Security Studies, and Law and Justice. These concentrations are meant to provide students with opportunities to pursue a more focused curriculum in specific domains of political science and to obtain formal recognition on their transcript for doing so.

To have a concentration, students need only to complete five courses specified for the various tracks. All courses may be counted toward this total, including introductory courses as well as those used to fulfill the subfield distribution.

Concentrations are intended primarily for students who are interested in continuing on to professional or graduate programs. A concentration that is noted on the transcript may be useful in pursuing professional aspirations as a signal to prospective graduate programs or employers about an applicant's unique qualifications. Only one concentration is permitted. Of course, students may choose to have no concentration and strive for breadth. Students will be advised to consult with department faculty to discuss the decision whether to pursue a concentration.

Degree Requirements

To earn the Bachelor of Arts in Political Science, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (33 credits)

Core Courses

Complete three of the following courses:

POL 1101	Introduction to American Politics	3
POL 1201	Introduction to Comparative Politics	3
POL 1301	Introduction to International Relations	3
POL 1401	Great Political Thinkers: Introduction to Political Theory	3
POL 1501	Fundamentals of Political Science	3

Subfields

Complete one course from each of the following subfield areas:

POL X1XX	American Politics
POL X2XX	Comparative Politics
POL X3XX	International Relations
POL X4XX	Political Theory

Political Science Electives

Complete one of the following groups of elective requirements:

Complete four additional Political Science (POLI) courses to fulfill the general Political Science Electives requirements (no concentration):

POL 1000-4999		

Complete four of the following courses to fulfill the American Politics and Policy Concentration requirements:

POL 1101	Introduction to American Politics	3
POL 1501	Fundamentals of Political Science	3
POL 2100	The American Presidency	3
POL 2105	Congress and Legislative Process	3
POL 2121	Political Psychology	3
POL 2135	Voting and Elections	3
POL 2145	Constitutional Law	3
POL 2160	Social Movements	3
POL 2170	Media and Politics	3
POL 2175	Race and Religion in American Politics	3
POL 2185	Power and Public Policy	3
POL 2190	Topics in American Politics	3
POL 2505	Writing Social Science	3
POL 3560	Political Game Theory	3
POL 3575	Research Methods	3

Complete four of the following courses to fulfill the Comparative Political Studies Concentration requirements:

POL 1201	Introduction to Comparative Politics	3
POL 1501	Fundamentals of Political Science	3
POL 2210	East Asian Politics	3
POL 2215	Latin American Politics	3
POL 2220	Middle East Politics	3
POL 2260	Democracy and Development	3
POL 2290	Topics in Comparative Politics	3
POL 2505	Writing Social Science	3
POL 3575	Research Methods	3

Complete four of the following courses to fulfill the International Affairs and Security Studies Concentration requirements:

POLI 1301	Introduction to International Relations	3
POLI 1501	Fundamentals of Political Science	3
POLI 2260	Democracy and Development	3
POLI 2290	Topics in Comparative Politics	3
POLI 2305	American Foreign Policy	3
POLI 2330	Terrorism	3
POLI 2360	Weapons of Mass Destruction	3
POLI 2395	Topics in International Relations	3
POLI 2505	Writing Social Science	3
POLI 3300	International Security	3
POLI 3560	Political Game Theory	3
POLI 3575	Research Methods	3

Complete four of the following courses to fulfill the Law and Justice requirements:

POL 1101	Introduction to American Politics	3
POL 1401	Great Political Thinkers: Introduction to Political Theory	3
POL 1501	Fundamentals of Political Science	3
POL 2100	The American Presidency	3
POL 2105	Congress and Legislative Process	3
POL 2135	Voting and Elections	3
POL 2145	Constitutional Law	3
POL 2175	Race and Religion in American Politics	3
POL 2185	Power and Public Policy	3
POL 2190	Topics in American Politics	3
POL 2405	Classical Political Theory	3
POL 2410	Modern Political Theory	3
POL 2430	American Political Thought	3
POL 2495	Topics in Political Theory	3
POL 2505	Writing Social Science	3
POL 3560	Political Game Theory	3
POL 3575	Research Methods	3

Political Science Minor

Overview

The Political Science minor offers students a focused exploration of key political concepts and systems. The program includes foundational courses in American politics, comparative politics, international relations, and political theory. Students also select electives across these subfields, enhancing their understanding of political institutions, behaviors, and outcomes. The minor complements various major fields of study, equipping students with analytical and critical thinking skills valuable for careers in government, law, business, and beyond.

Requirements (18 credits)

Core Courses

Complete two of the following courses:

POL 1101	Introduction to American Politics	3
POL 1201	Introduction to Comparative Politics	3
POL 1301	Introduction to International Relations	3
POL 1401	Great Political Thinkers: Introduction to Political Theory	3
POL 1501	Fundamentals of Political Science	3

Subfields

Complete three POL courses (one course from three of the subfields below):

POL X1XX	American Politics
POL X2XX	Comparative Politics
POL X3XX	International Relations
POL X4XX	Political Theory

Political Science Electives

Complete one course in any subfield of Political Science:

POL 1000-4999

It is strongly recommended that students take a field introductory course or fundamentals course before taking an elective course in that subfield.

Pre-Engineering, BA

Overview

The Pre-Engineering major prepares students for engineering careers and to apply their scientific knowledge to a range of practical problems and technologies. The University offers joint programs with Columbia University: under the BA/BS plan, a student who attends Yeshiva University and fulfills all requirements for graduation aside from the total number of credits can apply to Columbia University's Fu Foundation School of Engineering and Applied Science as a junior. If accepted by Columbia University, the student attends Columbia University for two additional years and, upon successful completion of the program, Yeshiva University confers the Bachelor of Arts degree and Columbia University confers the Bachelor of Science degree.

Degree Requirements

In addition to the program requirements below, students are required to complete the General Education Requirements for Yeshiva College.

Major Requirements (49 credits)

Core Courses

CHE 1045	General Chemistry Lecture	3
CHE 1046	General Chemistry II Lecture	3
CHE 1047	General Chemistry II Lab	2
COM 1300	Introduction to Computer Science	4
ECO 1010	Principles of Economics	3
MAT 1412	Calculus I	4
MAT 1413	Calculus II	4
MAT 1510	Multivariable Calculus	4
MAT 2105	Linear Algebra	3
MAT 2601	Ordinary Differential Equations	3
PHY 1051	General Physics I Lecture	3
PHY 1052	General Physics II Lecture	3
PHY 1053	General Physics I Lab	1
PHY 1054	General Physics II Lab	1
PHY 2051	General Physics III	4
PHY 2052	General Physics IV	4

Electives

Additional electives in the Natural Sciences will be recommended for specific fields in Engineering by the Pre-Engineering Advisor.

Public Health Minor

Overview

The Public Health minor provides students with a foundational understanding of key public health principles and practices. Students studying public health examine the relationships between diseases and social organizations and communities. This is an interdisciplinary minor combining courses from the natural and social sciences. This minor enhances students' ability to critically evaluate health data and develop strategies for disease prevention and health promotion, making it a valuable addition to various major fields of study such as biology, sociology, and political science.

Requirements (18 credits)

To complete the Public Health minor, students must earn a total of 18 credits, consisting of three core courses (9 credits) and three elective courses (9 credits).

Core Courses

SOC 3610	Public HealthPublic Health	3
BIO 4810	Epidemiology	0 TO 3
	Or	
SOC 2407	Epidemiology	3
STA 1021	Introduction to Statistics	3
	Or	
PSY 1021	Statistics for Psychology	3

Electives

Complete three of the following courses:

BIO 4023	Microbiology	4
BIO 4930	Topics inBiology	2 TO 3
ECO 2531	Health Economics	3
PSY 2414	Abnormal Psychology	3
PSY 3601	Health Psychology	3
PSY 4930	Topics in Psychology	3
SOC 1950	Sociology of Food	3
SOC 2210	The Family	3
SOC 2402	Health and Society	3
SOC 2405	Health and Social Policy	3
SOC 2406	Social Determinants of Health	3
SOC 3003	Methods of Social Research	3

Psychology, BA

Overview

The Psychology major offers students an in-depth understanding of human behavior and mental processes. The curriculum covers a wide range of topics, including cognitive psychology, developmental psychology, social psychology, and abnormal psychology. Students engage in both theoretical and practical learning, with opportunities to conduct research and participate in internships. This hands-on experience helps students develop critical thinking and analytical skills, which are essential for careers in psychology and related fields.

In addition to coursework, students benefit from faculty mentorship and access to state-of-the-art research facilities. The program encourages interdisciplinary collaboration, allowing students to explore connections between psychology and other disciplines such as neuroscience, sociology, and education. Graduates are equipped with the knowledge and skills to pursue advanced studies or enter various professional fields, including clinical psychology, counseling, human resources, and research.

Degree Requirements

To earn the Bachelor of Arts in Psychology, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (37 credits)

Students are required to complete the Psychology Core courses, along with the requirements for either the General Psychology Track or the Psychology and the Community Track.

Core Courses

PSY 1010	Introduction to Psychology	3
PSY 1021	Statistics for Psychology	3
PSY 1110	Developmental I: Child	3
PSY 2100	Experimental Psychology Lecture	3
PSY 2120	Experimental Psychology Lab	1
PSY 2150	Cognitive Psychology	3
PSY 3105	Social Psychology	3
PSY 3804	Psychobiology	3
PSY 2414	Abnormal Psychology	3
	Or	
PSY 3800	Personality	3

General Psychology Track

	Complete any four PSY courses

Psychology and the Community Track

Complete four of the following courses:

PSY 1124	Learning Disabilities	3
PSY 2430	Clinical Psychology	3
PSY 3400	Educational Psychology	3
PSY 3804	Psychobiology	3
PSY 3842	Moral Development	3
PSY 4930	Topics in Psychology	3
SOC 2101	Education and Society	3
SOC 2305	Violence, Schools and Education	3
SOC 2311	Social Inequality	3

Psychology Minor

Overview

The Psychology minor offers students a focused exploration of key psychological concepts and methodologies. The program includes coursework in areas such as cognitive psychology, developmental psychology, social psychology, and abnormal psychology. Students gain valuable insights into human behavior and mental processes, enhancing their analytical and critical thinking skills. This minor complements various major fields of study, providing a strong foundation for careers in psychology, counseling, human resources, and related fields.

Requirements (18 credits)

PSY 1010	Introduction to Psychology	3
PSY 1021	Statistics for Psychology	3
	Or	
STA 1021	Introduction to Statistics	3
	Complete 4 PSY courses	

A maximum of 6 independent study or research credits may count toward the minor.

Shaped Major

Overview

The Shaped Major is meant to move beyond the shared "general" education experience of the Core, and to provide students with in-depth, intensive work in a particular area of intellectual interest. For most students, the traditional departmental majors meet this goal, focusing within a discipline. But some students' intellectual goals cross the boundaries between liberal arts disciplines and their departments—and we would like the College to be able to provide the conditions for meeting those goals, which can be equally rewarding and legitimate. Providing a Shaped Major can also extend in exciting ways the intellectual reach of educational opportunities at a small liberal arts college.

Students hoping to pursue a Shaped Major should work with a faculty member in their area of interest to frame their goals for the Shaped Major, and make sure that their goals cannot be met within an existing departmental major. Because the Shaped Major is designed to cater to students whose goals cannot be met within an existing departmental major, students may not take a shaped major in addition to a major from a regular department. Students must submit a proposal packet to the Curriculum Committee and the Associate Dean for Academic Affairs to apply for a shaped major.

Degree Requirements

To earn the Bachelor of Arts in the Shaped Major, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (36 credit minimum)

Shaped major must include a minimum of 12 courses.

Shaped Minor

Overview

Students may structure an individual minor to meet a particular academic interest and goal. Interested students should meet with an academic adviser early in their academic careers to design a minor. A minor will include an overview course and a minimum of 15 credits.

Requirements (15 credit minimum)

Shaped minor must include a minimum of 15 credits.

Sociology, BA

Overview

The Sociology major offers students a deep dive into the study of social behavior, institutions, and structures. The curriculum includes courses in social theory, research methods, and various subfields such as family, education, and urban sociology.

Students learn to analyze social patterns and issues, gaining insights into how societies function and change. This minor enhances critical thinking and analytical skills, making it a valuable complement to majors like psychology, political science, and economics.

In addition to coursework, students have opportunities to engage in research projects and internships that provide practical experience in the field. The program encourages interdisciplinary collaboration, allowing students to explore connections between sociology and other disciplines. Graduates with a sociology minor are equipped with the knowledge and skills to pursue careers in social services, community development, public policy, and research, as well as further academic studies.

Degree Requirements

To earn the Bachelor of Arts in Sociology, students must complete a minimum of 128 credits including major requirements, Yeshiva College Core/General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (30 credits)

Core Courses		
SOC 1001	Introduction to Sociology	3
SOC 3002	Social Theory	3
SOC 3003	Methods of Social Research	3
Electives		
	Complete 7 courses from SOC 1000-4999	

Sociology Minor

Overview

The Sociology minor provides students with a focused study of social behavior, institutions, and structures. The curriculum includes courses in social theory, research methods, and specialized topics such as family dynamics, education systems, and urban development. This minor enhances students' ability to analyze social patterns and issues, fostering critical thinking and analytical skills. It complements various major fields of study, offering valuable insights for careers in social services, community development, public policy, and research.

Requirements (15 credits)

SOC 1001	Introduction to Sociology	3
SOC 3002	Social Theory	3
	Or	
SOC 3003	Methods of Social Research	3
	Complete 3 SOC courses	

Writing Minor

Overview

The Writing minor offers students a focused exploration of various writing styles and techniques, enhancing their ability to communicate effectively across different contexts. The curriculum includes courses in creative writing, professional writing, and rhetoric, allowing students to develop their skills in crafting compelling narratives, persuasive arguments, and clear, concise communications. This minor complements a wide range of major fields of study, providing valuable skills for careers in journalism, publishing, marketing, and other fields that require strong writing abilities.

Requirements (15 credits)

	Complete five Writing Courses from ENG 1300-1899

Course	Title	Credits	Description
ART 1019	Modernist Impulse in Art&Arch	3	The course examines achievements in the fine arts, architecture, and design of the modern era from the late nineteenth century to the present day. Students analyze historical connections between recent works and those of the past, exploring non-traditional and global influences. Course methods include illustrated lectures, comparative analysis, reading, research, student presentations, demonstrations, two-and three-dimensional studio exercises, and museum and gallery visits.
ART 1630	American Architecture	3	The course explores the development of architecture in the United States from early colonial settlements to postmodern practices. Through comparing materials, spaces, and systems of buildings, students acquire an architectural vocabulary and a greater consciousness of the built environment in the United States.
ART 1633	Language of Architecture	3	By comparing buildings from different eras and cultures, students learn about building systems from ancient Egypt to post-modern Paris, with focus on the elements of architecture from domes to space frames, open-air ventilation to full climate control, and stone loadbearing walls to light-weight glass curtain walls. The course examines not only work of the masters of the discipline, but also architecture without architects.
ART 1635	Evolution of the Skyscraper	3	The course examines the origins, development, and construction of the Chicago skyscraper since the tall office building flourished there as nowhere else during the nineteenth century. The course will include selections from the theoretical literature on the nature of the tall building. New York City, with its unparalleled concentration of skyscrapers in lower and mid-town Manhattan, will serve as a learning laboratory. Presentations by practitioners and class members are included.
ART 1650	Architecture of the Synagogue	3	The course examines form, material, and structure in synagogue architecture from its beginnings in the ancient world to the present. Using the comparative method, students consider influences of buildings from other religious traditions. The course explores regional influences in addition to links between liturgy and architectural form. Site visits to synagogues in New York provide first-hand examination of material and form.
ART 1660	Cultures of Mod. Architecture	3	The course traces the development of innovative environmental design from its roots in the guild culture of the Arts and Crafts Movement through forays into deconstructivism. Students develop definitions of modernism through the filters of various twentieth-century architectural cultures, such as the Prairie Style, Neue Sachlichkeit, and Expressionism. Class sessions include site visits to modernist architecture in New York, tours of architecture exhibitions, and discussion of architectural criticism.
ART 1831	Architectural Design Process	3	This studio course introduces visual concepts of built form. Through analysis of canonical buildings, students understand plan, section, and elevation and develop a design methodology for their own work. Students learn basic drafting, graphic techniques, and model building.
ART 1832	Architectural Design Studio	3	Aligning analysis and synthesis, the course introduces a series of increasingly complex spatial scenarios. Students acquire design skills and a visual vocabulary for expressing design intentions. Introduces model-building and basic computer-aided design. Formerly ART 1632.
ART 2201	Color and Design	2	Elements and principles of visual expression such as line, space, color, and shape, with emphasis on compositional movement. Weekly projects. For beginning and intermediate students.
ART 2301	Principles of Drawing	2	Introduction to the materials, skills, and techniques of drawing. The nature and varieties of graphic techniques; drawing disciplines such as perspective, modeling, and foreshortening; exploration of the imaginative and expressive nature of drawing. Projects. For beginning and intermediate students.
ART 2302	Advanced Drawing	3	Advanced exploration of graphic techniques and the drawing discipline. Course structure is similar to Principles of Drawing. This course may be repeated (for a total of four times) for credit.
ART 2511	Beginning Painting I	2	The course is an introduction to painting with oils and acrylics.
ART 2901	Printmaking	3	This course introduces students to the fundamental techniques of printmaking, including relief, intaglio, monotype, and screen printing. Students will learn to prepare images and produce original prints while exploring the history and contemporary practice of printmaking.
ART 3005	Introduction to Graphic Design	3	Students explore concepts of design through expressive typography, conceptual thinking, and visual hierarchy. The focus is on analog idea generation and use Adobe software as the main tool in executing each project in both analog and digital versions.
ART 3006	Digital Design with Color	3	Students learn what constitutes color and how to choose appropriate color for a given design. Students will execute projects with paint and with digital tools.
ART 3007	Intermediate Graphic Design	3	Students build on principles from the introductory course while expanding on execution and creativity. Projects are open-ended so as to inspire original designs created using Adobe Illustrator, Photoshop and InDesign.
ART 4741	Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor. May be repeated for a maximum of three credits.
ART 4901	Independent Study	1 TO 3	Requires approval from the Department; final approval is required from Academic Standards in order to proceed. May be taken three times for credit towards the degree.
ART 4931	Topics	3	Concepts and techniques of the curator. Approximately two of every three course meetings are held off campus at local museums and art galleries to view and study special exhibits. Term project: curate a portfolio of works that represents an exhibition based on an original theme.
ART 4941	Internship	.5 TO 5	
BIB 1000	Bible:Text, Context, Tradition	2 TO 3	Authorship and canonization, text transmission, Masoretic text, translations of the Bible, Bible in its ancient Near Eastern context, Jewish biblical interpretation through the ages. Prerequisite(s): HEB 1205 may be taken as a prerequisite or corequisite.
BIB 1187	Biblical Law and Society	2 TO 3	Laws governing the society of man (Exodus 20 Through 23; Leviticus 19, 20, 24, 25; Deuteronomy 12 through 25).
BIB 1220	Biblical Midrashim	2 TO 3	Introduction to the Aggadah literary study of authorship, style, and contents of the major Tannaitic Midrashim, emphasis on their use in biblical exegesis. Prerequisite(s): BIB 1000.
BIB 1260	Targumim	2	The Aramaic translations of the Pentateuch and their place in biblical exegesis. Prerequisite(s): BIB 1000.
BIB 1310	The Akeda	2 TO 3	
BIB 1410	Book of Leviticus	2.5 OR 5	Students will compare the ritualistic laws of the first 15 chapters of Vayikra with Interpersonal laws of Vayikra 18-20, and the socio-economic welfare laws of Vayikra 25-27. Students will also discuss the Levitical laws of chapter 21-22 along with the lists of holidays of chapter 23.
BIB 1645	Biblical Archaeology:Fieldwork	2 TO 3	
BIB 1650	Bible and Ancient Near East	2 TO 3	This course discusses Tanach as it relates to other ancient Near East literature. It will compare language choices as well as see how Tanachâ€™s narratives compare to and differs from myths in other ancient Near East texts.
BIB 2000	Genesis	2	
BIB 2015	Genesis & Ancient Near East	2 TO 3	
BIB 2020	Exodus	2	
BIB 2060	Numbers	2 TO 3	
BIB 2080	Deuteronomy	2 TO 3	A study of selected chapters of the Book of Deuteronomy, with a focus on classical Jewish and modern exegesis, including the book's ancient Near Eastern context.
BIB 2110	Joshua/Judges	2 TO 3	Selections from the Early Prophets, with classical commentaries; emphasis on historiographic study and the use of archaeological findings. First semester: conquest of Canaan and early Judges; second semester: later Judges and the establishment of the Monarchy. For advanced students.
BIB 2120	Judges	2	
BIB 2140	Samuel	2 TO 3	
BIB 2160	Kings	2 TO 3	
BIB 2500	Isaiah	2 TO 3	
BIB 2520	Jeremiah	2	
BIB 2540	Ezekiel	2	
BIB 2560	Amos and Hosea	2	
BIB 2580	Seven of the Tre Asar	2	
BIB 2600	Haggai, Zechariah, Malachi	2 TO 3	
BIB 2700	Psalms	2 TO 3	
BIB 2720	Proverbs	2 TO 3	
BIB 2740	Job	2	
BIB 2760	Five Megillot	2 TO 3	
BIB 2780	Ecclesiastes	2 TO 3	
BIB 2785	Book of Ester	2 TO 3	
BIB 2800	Daniel	2 TO 3	
BIB 2810	Prophecies for Bayit Sheini	2	This course explores the period of Shivat Zion - the return to the Land of Israel after Galut Bavel, with the building of Bayit Sheini and Jewish resettlement of the land. Following this last historical period discussed in Tanakh, the Tanakh was officially closed, or 'canonized'. The course examines the prophetic works associated with this period - Chaggai, Zechariah, and Malachi - accompanied by discussion of historical aspects of the period as noted in the Book of Ezra.
BIB 2820	Ezra-Nehemiah	2 TO 3	
BIB 2840	Chronicles	2 TO 3	
BIB 2905	Redemption & the Messianic Era	2	This course examines prophecies of redemption in the Latter Prophets (Isaiah, Ezekiel, Zechariah). To gain a full understanding of the fundamental Jewish belief in the messianic era, we will analyze the prophecies in depth and probe their approaches to the messianic age. We will also read a few medieval philosophical analyses (Rav Saadiah Gaon, Rambam, Ramban), which treat the topic more systematically than prophecies.
BIB 4901	Independent Study	1 TO 3	With approval of Department staff, a student must apply to Academic Standards for permission to undertake an independent study. May be taken three times for credit towards degree.
BIB 4930	Topics in Bible	2	
BIO 1011	Principles of Biology I Lec	3	Introduction to the various biological concepts and mechanisms of living beings at the molecular and cellular levels. Topics include: building blocks of living units, biochemistry of molecules, enzyme kinetics, cellular energetics and metabolism. For majors. (Lecture 3 hours.) Corequisite(s): BIO 1013. Previously offered as BIO 1011R.
BIO 1011P	Principles of Biology I Lec	3	The primary aim of this course is to introduce the students to the classical phenomenon of life and living beings. Topics covered in lecture will include building blocks of living units, energy harvest, cell-to-cell communication and interaction with the environment, principles of cell division, and gene regulation. An understanding of high school biology, chemistry, and math is expected.
BIO 1012	Principles of Biology II Lec	3	Study of various biological concepts at the molecular, cellular, and organismal levels. Topics include: cellular reproduction, genetics, molecular biology, regulation, population biology, evolution, animal physiology, and animal development. For majors. (Lecture 3 hours.) Previously offered as BIO 1012R. Prerequisite(s): BIO 1011 and BIO 1013. Corequisite(s): BIO 1014.
BIO 1012P	Principles of Biology II Lec	3	Introduction to the study of living organisms, including such areas as the structure and function of living things, ecology, role of plants in nature, energy cycles, reproduction, heredity, and evolution. The human organism, including normal and abnormal structure and function.
BIO 1013	Principles of Biology I Lab	1	Introduction to scientific inquiry and basic biological techniques. Laboratory exercises demonstrate biological concepts including biochemistry of molecules, enzyme kinetics, cellular anatomy and physiology, cellular energetics and metabolism (complementary to the Principles of Biology lecture). Techniques covered include spectrophotometry, microscopy, chromatography, gel electrophoresis, and other basic skills. For majors. Laboratory fee. Previously offered as BIO 1011L or BIO 1011Y. Corequisite(s): BIO 1011.
BIO 1013P	Principles of Biology I Lab	1	Laboratory work to accompany lectures. Emphasizes scientific methods in biological research. Course Fees.

BIO 1014	Principles of Biology II Lab	1	Survey and analysis of biological concepts at the organismal level. Overview of organisms, from prokaryotic cells through mammals, with focus on animal structure and function. Laboratory techniques include microscopy and dissections of model organisms. For majors. Laboratory fee. Prerequisite(s): BIO 1011 and BIO 1013. Corequisite(s): BIO 1012. Previously offered as BIO 1012L or BIO 1012Y.
BIO 1014P	Principles of Biology II Lab	1	Laboratory work to accompany lectures. Emphasizes scientific methods in biological research. Second semester emphasizes animal structure and function.
BIO 1372	Bioinformatics	4	Bioinformatics is a field at the intersection of Biology, Chemistry and Computer Science. Students will use the tools of bioinformatics to find similarities in gene sequences, protein structures, and to infer evolutionary relationships and predict properties based on 3D structure of proteins. Prerequisite(s): CHE 1046, CHE 1047, BIO 1012 and BIO 1014. Crosslisted with CHE 1372.
BIO 1376	Principles of Biochemistry	3	Structure and function of biomolecules; kinetics and mechanism of enzymes; bioenergetics and metabolism; membrane structure and dynamics; signal transduction. Prerequisite(s): BIO 1012 and CHE 1213. The associated lab, BIO 1377 or CHE 1377, may be taken with this course or after. Crosslisted with CHE 1376.
BIO 1377	Principles of Biochemistry Lab	2	Illustration of the properties of biochemical substances; design and analysis of experiments. Techniques include chromatography, electrophoresis, differential centrifugation, and various types of enzyme assays, including spectrophotometric and radioactive. Prerequisite(s): BIO 1376 or CHE 1376 may be taken as prerequisite or corequisite.
BIO 1378	Advanced Biochemistry	3	Prerequisite(s): BIO 1376 or CHE 1376. Crosslisted with CHE 1378.
BIO 1379	Chemistry of Metals in Biology	4	
BIO 2320	Human and Comparative Anatomy	4	The origins, similarities, and differences among vertebrate classes, as well as their changing diversity through time. Emphasis on adaptations leading from the aquatic to the terrestrial lifestyle as seen across this chordate subphylum. Prerequisite(s): BIO 1012. Course fees. Previously offered as BIO 2320C.
BIO 2601	Developmental Biology	2	Events leading to and proceeding from the fertilization of invertebrate and vertebrate eggs; review of classical and modern experiments uncovering the processes leading to the formation of an integrated organism from a single cell, the zygote. Prerequisite(s): BIO 1012. Previously offered as BIO 2601C.
BIO 3207	Cell Biology	4	Basic architecture of cells, organelles, and components; dynamics of growth, nutrition, cell cycle, metabolism, and metabolic regulation; specialized cell functions. Prerequisite(s): BIO 1012; and CHE 1046 may be taken as a prerequisite or corequisite. Previously offered as BIO 3207C.
BIO 3230	Immunology	2	Basic principles, theories, and current problems in immunology. Emphasis on antigens, haptens, antibodies, antibody specificity, antibody-antigen reactions, and immediate and delayed hypersensitivity, as well as transplant and autoimmune phenomena. The honors version focuses in depth on AIDS and society. Prerequisite(s): BIO 1011 and BIO 1012. Previously offered as BIO 3230C.
BIO 3513	Genetics	4	This course spans Mendelian and non-Mendelian genetics, linkage and recombination, mitosis and meiosis, sex linkage and sex chromosomes, mutations, cancer, behavioral genetics, and pedigrees. Laboratory exercises complement lectures. Laboratory fee. Prerequisite(s): BIO 1012 and BIO 1014.
BIO 3521	Molecular Biology	4	This course focuses on understanding structure and function of cellular macromolecules. Specific topics studies include: DNA structure and topology, molecular bonding, genome structure and integrity, DNA replication and repair, genetic code and it's maintenance, gene transcription and translation, RNA structure, RNA and protein stability. Prerequisite(s): BIO 1012 and BIO 1014. Previously offered as BIO 3521C.
BIO 3570	Biological Bioethics	3	Physiological, ecological, and epidemiological bases of decision making in the field of bioethics; definition of death; DNA recombinant research; pesticide use; demographic concerns; abortion; hazardous surgery; human experimentation; organ transplants; social obligation of the scientist; eugenics and euthanasia.
BIO 3728	Human Physiology	4	Physicochemical principles involved in life processes. Lectures and laboratory illustrate these principles in the physiological systems of humans. (lecture: 3 hours; lab: 3 hours) Laboratory fee. Prerequisite(s): BIO 1012 may be taken as a prerequisite or corequisite. Previously offered as BIO 3728C.
BIO 3804	Psychobiology	3	Mind and body: the nervous system and endocrine glands in relation to psychological processes; physiological basis of perception, motivation, emotions, and learning. Prerequisite(s): PSY 1010. May count towards BIO major but not minor. Crosslisted with PSY 3804.
BIO 3824	Neuropsychology	1 TO 3	The principles and concepts that shape current neuropsychological thinking; experimental and clinical techniques as well as models of brain organization. Neuropsychological signs, symptoms, and syndromes in conjunction with brain structure and function. Specific focus on the neuropsychological implications for attention, motor function, sensory-perceptual integration, memory and learning, language, and thinking, along with developmental, adult, and geriatric implications. See also PSY 3824.
BIO 4023	Microbiology	4	Topics include prokaryotic cell structure and function, microbial nutrition, growth and control, microbial metabolism, bacteriophages, and microbial genetics. Laboratory exercises complement lectures. Laboratory fee. May count towards Public Health Minor. Prerequisite(s): BIO 1012 and BIO 1014; and CHE 1045 may be taken as prerequisite or corequisite. Previously offered as BIO 4023C.
BIO 4741	Biology Internship	1 TO 3	
BIO 4800	Introduction to Public Health	3	This lecture-based course will provide a general overview of the field of public health. We will explore topics in Environmental Health, Social Determinates of Health, Epidemiology, Health policy, Research Methods, and Biostatistics. Public health is a deeply interdisciplinary field and the course will reflect such. In addition to lectures, we will be discussing peer-reviewed articles and discussing translating public health research to the general public. While explore research methods and biostatistics in public health, we will have a brief introduction to R, a widely used statistical analysis coding program.
BIO 4810	Epidemiology	0 TO 3	
BIO 4901	Independent Study	1 TO 3	Research can be done with ANY professor. Meet with the Yeshiva College academic dean. Laboratory fee on an individual basis. May be taken three times for credit towards degree.
BIO 4930	Topics in Biology	2 TO 3	Seminar in which students make presentations on selected subjects from current developments in the fields of microbiology, endocrinology, animal behavior, embryology, ecology, and environmental studies. Prerequisite(s): change based on topic. See Course Comments for details.
CHE 1045	General Chemistry Lec	3	This two course sequence explores the fundamental concepts of chemistry on both the atomic and macroscopic scales. Topics include atomic structure and stoichiometry; properties of gases, liquids, and solids; thermochemistry; quantum theory and the electronic structure of atoms; the periodic table and periodic properties; chemical bonding and molecular orbital theory; properties of solutions; thermodynamics; acid-base and solubility equilibria; chemical kinetics; electrochemistry; and nuclear chemistry.
CHE 1046	General Chemistry II Lec	3	This two course sequence explores the fundamental concepts of chemistry on both the atomic and macroscopic scales. Topics include atomic structure and stoichiometry; properties of gases, liquids, and solids; thermochemistry; quantum theory; and the electronic structure of atoms; the periodic table and periodic properties; chemical bonding; and molecular orbital theory; properties of solutions; thermodynamics; acid-base and solubility equilibria; chemical kinetics; electrochemistry; and nuclear chemistry. Corequisite(s): CHE 1047.
CHE 1047	General Chemistry II Lab	2	The general chemistry laboratory accompanies the lecture and provides hands-on experience in basic chemical techniques using analytical instrumentation with emphasis on quantitative measurements, data analysis, and reporting. Experiments are conducted to explore key concepts in atomic theory, stoichiometry, thermodynamics, kinetics, equilibria, and electrochemistry. Corequisite(s): CHE 1046.
CHE 1122	Chemical Analysis	4	This one-semester course introduces science majors and pre-health students to the principles and practice of analytical chemistry. The course begins with an introduction to analytical chemistry, including the analytical process, sampling, sources of error, statistics, and data interpretation. The course also covers major types of analyses, including wet methods, spectroscopy, chromatography, and potentiometric techniques. Classroom topics, discussions and problem solving exercises are closely coordinated with laboratory analyses. Prerequisite(s): CHE 1046. Previously offered as CHE 1122C.
CHE 1213	Organic Chemistry I Lec	3	Organic chemistry explores the rich chemistry of carbon. Topics include the structure, synthesis, properties, and reaction mechanisms of the main classes of organic compounds, including compounds of biological importance. Prerequisite(s): CHE 1046; Corequisite(s): CHE 1215. Previously offered as CHE 1213R.
CHE 1214	Organic Chemistry II Lec	3	Organic chemistry explores the rich chemistry of carbon. Topics include Structure, synthesis, properties, and reaction mechanisms of the main classes of organic compounds, including compounds of biological importance. Prerequisite(s): CHE 1213. Previously offered as CHE 1214C.
CHE 1215	Organic Chemistry I Lab	2	Emphasizes basic techniques in separation, purification, identification and preparation of organic compounds. Corequisite(s): CHE 1213. Previously offered as CHE 1215L.
CHE 1222	Advanced Laboratory Techniques	1 TO 4	
CHE 1372	Bioinformatics	4	Bioinformatics is a field at the intersection of Biology, Chemistry and Computer Science. Students will use the tools of bioinformatics to find similarities in gene sequences, protein structures, and to infer evolutionary relationships and predict properties based on 3D structure of proteins. Prerequisite(s): CHE 1046 and BIO 1012. Crosslisted with BIO 1372.
CHE 1376	Principles of Biochemistry	3	Structure and function of biomolecules; kinetics and mechanism of enzymes; bioenergetics and metabolism; membrane structure and dynamics; signal transduction. Prerequisite(s): BIO 1012 and CHE 1213. The associated lab, BIO 1377 or CHE 1377, may be taken with this course or after. Crosslisted with BIO 1376.
CHE 1377	Principles of Biochemistry Lab	2	Illustration of the properties of biochemical substances; design and analysis of experiments. Techniques include chromatography, electrophoresis, differential centrifugation, and various types of enzyme assays, including spectrophotometric and radioactive. Prerequisite(s): BIO 1376 or CHE 1376 may be taken as a prerequisite or corequisite. Crosslisted with BIO 1377.
CHE 1378	Advanced Biochemistry	3	This second part of Biochemistry introduces the study of metabolic pathways and synthesis of biomolecules. Students will apply their knowledge of biomolecule properties, the relationship between structure and function of biomolecules, enzyme catalysis and reactions that make up metabolic pathways. Prerequisite(s): CHE 1376.
CHE 1379	Chemistry of Metals in Biology	4	This course offers a chemical view of the metals in biological systems. Course content includes introductory coordination chemistry, spectroscopic methods used to study metal ions and metal complexes in biological system, and the catalytic properties of important metallo-proteins. Prerequisite(s): CHE 1046 and CHE 1047.
CHE 1415	Physical Chemistry I	3	Physical chemistry explores the underlying physical and mathematical relationships that interconnect a diverse range of chemical concepts. The first semester considers the fundamentals of chemical thermodynamics, thermochemistry, chemical equilibria, phases of matter, aqueous solutions, electrochemistry, and the kinetic molecular theory of gases. Prerequisite(s): CHE 1046 and MAT 1412.
CHE 1416	Physical Chemistry II	3	Quantum chemistry; the Schrodinger Equation and some simple applications; extension to three-dimensional systems; H atom; many electron atoms; structure of molecules; introduction to computational methods (molecular mechanics, ab initio methods); molecular spectroscopy; statistical mechanics; kinetic theory; chemical kinetics. Prerequisite(s): CHE 1046 and MAT 1412.
CHE 1936	Intro to Chemical Research	.5 TO 3	This course will be team taught by all faculty members of Chemistry department. This course is to introduce students at their early stage to the current research interests of our faculty and to provide information of modern Chemistry career to students with minimum background of Chemistry.
CHE 1937	Seminar in Adv Chemistry	1 TO 3	Seminar meeting two hours every two weeks. Topics in all fields of chemistry. Prerequisite(s): CHE 1213R and CHE 1213L or CHE 1213C may be taken as prerequisites or corequisites; or by permission of the instructor.
CHE 4901	Independent Study	1 TO 3	Department approval required; final approval required from Academic Standards in order to proceed. Meet with the Yeshiva College Academic Dean. Research can be done with ANY professor. You must submit an approved application in order to register for research. May be taken three times for credit towards degree.
COM 1001	Programming for Non-CS majors	3	
COM 1015	Data Management&Visualization	3	Empirical data sets are common in all the sciences, ranging from numerical tables to networks, maps, and tensor fields. Such data sets are increasingly common in all professions as more and more data is captured in all industries. Visualization and statistics are two complementary ways to figure out the stories an empirical data set is trying to tell. Statistics engages rigorous mathematical reasoning, while visualization harnesses the innate pattern-detection power of the human visual cortex. This course trains students to prepare data sets for visual interpretation and to build visual data models of increasing complexity using Python libraries. Selected topics covered in this course: Data management: characterization, collection, storage, and cleaning of data sets, Visual channels in the brain: pre-attentive processing, accuracy of estimation, levels of discrimination, Visual data exploration: graphical tools to complement exploratory statistics, Telling the truth: visual distortion of data, how to detect it, how to avoid it, Telling a story with data: choosing a visual language to enlighten or persuade. Prerequisite(s): COM 1001 or COM 1300 or COM 1300C.
COM 1300	Intro to Computer Science	4	This course introduces the application of Computer Science concepts through the development of procedural and object-oriented programs. We will cover the following topics in this course: number systems, built-in data types, variables, arithmetic and logical expressions, conditionals and loops, lists, dictionaries, input and output, and object oriented programming with custom data types. A significant part of this course involves actually writing programs that implement the above topics, for homework and on exams.

COM 1310	Math for Computer Science	4	The course will introduce students to a variety of topics in discrete mathematics that are essential for a Computer Science career. It emphasizes mathematical definitions and proofs as well as applicable methods. Topics include formal logic notation, proof methods; induction, well-ordering; sets, relations; elementary graph theory; asymptotic notation and growth of functions; permutations and combinations, and counting principles. The Python programming language will be introduced during the first few weeks and assignments will require programming in Python. Prerequisite(s): COM 1300.
COM 1320	Data Structures	4	This course provides a survey of fundamental data structures and algorithms needed to implement efficient, scalable programs. Topics include: arrays, stacks and queues, linked lists, recursion, binary trees, hash tables, and heaps. A significant part of this course involves actually writing programs that implement the above topics, for homework and on exams, with an emphasis on writing usable data structures that are well-engineered and reliable. Prerequisite(s): COM 1300
COM 2113	Computer Organization	4	We will cover the following topics in this course: the C programming language, explicit dynamic memory allocation machine-level representation of programs; processor architecture; program optimization; the memory hierarchy; processes; and more. A significant part of this course involves actually writing programs in assembly language and the C programming language that implement the above topics, for homework and on exams. Prerequisite(s): COM 1300.
COM 2512	Networking & Communication	3	Fundamentals of networking and communications, network concepts, hardware, software, and programming. Data communications, wide and local area networks, communications architecture and protocols. Prerequisite(s): COM 3610.
COM 2545	Algorithms	4	This course introduces several broad algorithmic approaches to solving problems, many interesting and practical algorithms within several problem domains, and formal and empirical methods of assessing the computational complexity of algorithms. The following topics in this course will be covered: union-find and dynamic connectivity, bottom-up merge sort, graph implementations and their repercussions on various graph algorithms, and many more. Students will learn to compare algorithmic approaches, both empirically (by timing, or tracking primitive operations) and formally. A significant part of this course involves actually writing or understanding programs that implement the above topics, for homework and on exams. Prerequisite(s): COM 1320.
COM 2546	Design&Analysis of Algorithms	4	Building on both Mathematics for Computer Science and Introduction to Algorithms, this course focuses on techniques for the creation and understanding of efficient algorithms. Students will learn to analyze the computational complexity of a problem, recognize classes of problems, design new algorithms, and analyze proposed solutions. All concepts will be internalized via application to real-world problems. Specific topics include; Complexity and Computability: decidability, reducibility, time, space, asymptotics, worst case, average case, tradeoffs, Design techniques: divide-and-conquer, dynamic programming, greedy algorithms, randomization, etc., and Algorithm analysis: recurrences, generating functions, analytic combinatorics, verification of correctness. Prerequisite(s): COM 2545.
COM 3563	Database Implementation	3	Topics covered in this course include data independence, relationships, logical and physical organization, schema and subschema; hierarchical, network, and relational modes; examples of implementation of various models; first, second, and third normal forms of data relations; canonical schema; data description languages: forms, applications, examples, design strategies; query facilities: relational algebra, calculus, data structures for establishing relations; query functions; file organization; index organization; file security; data integrity and reliability. Prerequisite(s): COM 2546, COM 3610, and COM 3580.
COM 3571	Data Visualization	3	Data visualization utilizes a set of techniques and algorithms to programmatically transform data into (interactive) graphical representations that effectively tell a story and guide decisions (i.e. explain), or that facilitate interactive analysis (i.e. explore). In this course, students will learn the algorithmic and artistic techniques needed to design and develop effective explanatory and exploratory data visualizations.
COM 3580	Modern Data Management	3	In the real world, data doesn't fit into one schema or system fully (e.g., relational only or NoSQL only). Typically, enterprise data reside in multiple datastore instances and in multiple types of data stores. In order to makes sense of enterprise data and thus make useful decisions, programmers must be able to construct data pipelines that can apply ad-hoc data transformations and integrations to these different types of data-sets. Programmers must understand when to construct live (streaming-based) pipelines and when to construct a more static batch-processing approach. Prerequisite(s): COM 2546.
COM 3590	Data Cleaning & Transformation	3	In real-world situations, data scientists must be able to use data from many dirty, autonomous, and heterogeneous data sources that are far from being ready to be analyzed. Preparing the data for analysis (often referred to as data wrangling) involves four different tasks: cleaning, sampling, transformation, and integration. For each of these tasks, interactive tools are useful both for preparing small data sets as well as for investigating the general quality or structure of a large data set. When dealing with large data sets measuring in many thousands or millions of rows, however, programmatic quantitative approaches are an absolute necessity to make data preparation a realistic task. This course covers both interactive tools and quantitative approaches to each of these tasks. Because data preparation is a focus of significant R&D and small advances may have major impacts on one's productivity, the course also introduces students to the communities of research and practice that continue to advance the state of the art enabling students to stay abreast of valuable advances in this area.
COM 3610	Operating Systems	3	This course studies the fundamental principles of the design and implementation of operating systems for modern computers, including the components of an operating system, and details of processes, concurrency, multithreading, CPU scheduling, synchronization, deadlocks, main and virtual memory, secondary storage, file systems, and security. Prerequisite(s): COM 1320 and COM 2113.
COM 3640	Programming Languages	3	This course introduces concepts and implementations of programming language features, as they appear in different concrete languages, as well as some theory pertaining to programming language design and/or implementation. The topics covered in this course include: describing syntax and semantics via regular expressions and context-free grammars; parsers; names, scopes and bindings; expressions and assignment statements; control structures; subprograms and their implementation; object-oriented programming. These topics are covered both conceptually and via practical coding exercises in various programming languages. Prerequisite(s): COM 2545 may be taken as a prerequisite or corequisite.
COM 3645	Compilers & Tools	3	Grammars, languages, and their syntax and semantics; parsing and ambiguity; scanners; implementation of symbol tables; parsers; major parsing algorithms; techniques for machine-independent code generation; code optimization; syntax-directed translation schema. Prerequisite(s): COM 3640.
COM 3760	Artificial Intelligence	3	The course situates the study of Artificial Intelligence (AI) first in the broader context of popular culture, Philosophy of Mind, and Cognitive Psychology and then treats in-depth methods for automated reasoning, automatic problem solvers and planners, knowledge representation mechanisms, game playing, machine learning, and statistical pattern recognition. The class is a recommended for all scientists and engineers with a genuine curiosity about the fundamental obstacles to getting machines to perform tasks such as deduction, learning, and planning and navigation. Strong programming skills and a good grasp of the English language are expected; students will be asked to complete both programming assignments and writing assignments. Prerequisite(s): COM 2546.
COM 3780	Web Programming and Developmen	3	This course introduces the essential concepts and many of the core technologies in modern Full Stack website development. The topics covered include; HTML, CSS, JavaScript (including features such as lambdas, the spread operator, and map), TypeScript, responsive design and Bootstrap 5, NodeJS with Express for server side, React for client side, libraries such as ReactStrap, RESTful APIs, and connectivity to various databases such as MongoDB. Prerequisite(s): COM 1300.
COM 3800	Distributed Systems	3	Distributed systems enable the aggregation of many networked computers to construct highly available and scalable services. This course will introduce the core challenges of, and approaches to, building distributed systems. Aspects of cloud computing will be examined in some depth. Prerequisite(s): COM 2545 and COM 3610. Corequisite(s): COM 3820.
COM 3810	Advanced Distributed Systems	3	Building on the introductory course, this course provides a deeper understanding of distributed systems and focuses on the challenges faced running and fixing large scale systems. Prerequisite(s): COM 3800.
COM 3820	Parallel Programming	3	This course will examine basic choices and tradeoffs made in parallel systems, with a strong focus on concurrent programming and parallel algorithm design. Prerequisite(s): COM 2546 and COM 3610.
COM 3905	Individual and Group Projects	2	In this course students will apply their computer science skills to engage in theoretical or real-world collaborative research and development projects. Projects are defined in collaboration with academic, industrial, and research partners. Students will work both independently and in groups to address a problem or topic assigned at the beginning of the term. Students will learn to research and solve theoretical or real-world problems, work with multiple stakeholders, document and report progress, and present findings. Student grades will be determined by active participation in project meetings and project planning, fulfilling project requirements and keeping to project milestone schedule (e.g. research reports, weekly progress reports, system design, coding), and an end of semester project report and presentation.
COM 3910	Math for Machine Learning	4	An introduction to probability theory and statistics, and their use in deriving insight from data. This course prepares students for the understanding, and proper application, of machine learning and artificial intelligence.
COM 3920	Machine Learning	3	This course will develop applications whose accuracy in predicting the value of unknown data improves by examining more and more known data. This course introduces the main principles, algorithms, and applications of machine learning, as well as important libraries used in industry. Prerequisite(s): COM 2546, COM 3760 and MAT 2462.
COM 3921	Applied Machine Learning	3	This course covers a wide variety of machine learning topics balancing between theory of machine learning and practical applied skills. This course addresses how to solve machine learning problems (supervised and unsupervised) using techniques from both traditional machine learning and deep learning by leveraging standard, modern Python tooling such as scikit-learn and tensorflow. The course will cover additional topics such as bias and fairness in machine learning, data pipeline basics, and model deployment basics, Students will also complete a semester long project demonstrating an end-to-end machine learning application. The course involves writing Python code both for labs, homework, and exams. Prerequisite(s): COM 3920.
COM 3930	Natural Language Processing	3	Vast amounts of information is created in the form of unstructured data; web pages, social media posts, emails, presentations, analysts, reports, news content, etc. The ability to extract useful information from such data sources is a critical tool in the toolbox of a data scientist. This course examines computational methods for analyzing human language textual data in order to detect meaning and extract information. Applications of these methods include sentiment analysis, information retrieval, and trend prediction. Prerequisite(s): COM 3920.
COM 4010	Advanced Machine Learning	3	Advanced machine learning, sometimes called Machine Learning Engineering, is the implementation of machine learning algorithms and the productionization of a system or product that uses the models. This course focuses on learning applied skills that enable you to build and deploy into production real-world ML applications.. Prerequisites(s): COM 3760 and COM 3920; and COM 3800 may be taken as a prerequisite or corequisite.
COM 4020	Capstone Project	1 TO 4	Advanced machine learning, sometimes called Machine Learning Engineering, is the implementation of machine learning algorithms and the productionization of a system or product that uses the models. This course focuses on learning applied skills that enable you to build and deploy into production real-world ML applications.. Prerequisites(s): COM 3760 and COM 3920; and COM 3800 may be taken as a prerequisite or corequisite.
COM 4512	Advanced Java Programming	3	Review of Java Standard Edition: classes, interfaces, event handling, GUI, applets, strings, streams and files. Multithreading, advanced GUI, advanced data structures, network programming, JavaBeans. Introduction to Java Enterprise Edition: servlets and JSP. Design Patterns: Model-View-Controller, Value Object, Data Access, Business Delegate, Front Controller. Security. Prerequisite(s): COM 2545, COM 3640.
COM 4570	Industrial Software Developmnt	3	This course focuses on processes, methodologies, and tools used to construct high-quality software in industrial settings. Students will acquire the relevant skills and knowledge through a combination of instruction and active learning tasks, and then work in small teams, using professional-grade tools and methodologies, to execute a large software project. Prerequisite(s): COM 4570.
COM 4580	Cybersecurity	3	This course covers the aspects of cybersecurity that are critical for building and deploying secure applications in today's highly networked and distributed technology environment. Students will study the major aspects of system security (authentication, access control, attacks and defenses, etc.), as well as cryptography and secure coding. Topics include: Cryptography, Operational Security, Authentication, Authorization, and Access controls, Malware, Web-based vulnerabilities, Designing and coding secure software, Network security. Prerequisite(s): COM 2512, COM 2545 and COM 3610.
COM 4741	Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor. May be repeated for a maximum of three credits.
COM 4901	Independent Study	1 TO 3	Meet with the Yeshiva College Academic Dean. May be taken three times for credit towards degree.
COM 4930	Topics in Computer Science	3	Topics in computer science will vary each semester. Topics to be discussed may include, but are not limited to: theory of computation, advanced algorithms, cloud computing, computer vision, and human-computer interaction. May be repeated for credit if topic is different. Prerequisite(s): change based on topic. See Course Comments for details.

ECO 1010	Principles of Economics	3	The fundamentals of economic analysis with applications. Microeconomic supply and demand analysis, externalities and public goods, competition and monopoly, effects of taxation; macroeconomics topics including measurement of GDP and inflation, money, finance, and long-term growth.
ECO 1101	Microeconomic Analysis	3	Application of indifference curve analysis to private decision making and public policy issues, consumer choice, production and cost, economic efficiency under perfect and imperfect competition, input market, game theory, public goods, and externalities. Prerequisite(s): ECO 1010; and MAT 1412 or MAT 1410 or instructor's permission.
ECO 1177	Game Theory	3	Development of models of rational behavior in interactive situations through the theory of non-cooperative, cooperative, and evolutionary games. Game theory is used for decisions and strategy whenever people interact to strike mutually agreeable deals or to resolve conflicts in such diverse fields as international relations, economics, business, politics, psychology, philosophy, or even evolutionary biology. Prerequisite(s): ECO 1101; or instructor's permission.
ECO 1201	Macroeconomic Analysis	3	National income accounting, national income determination models, consumption functions, investment theory, business cycle theory, stabilization policy, IS-LM analysis, aggregate demand and aggregate supply analysis, rational expectations theory, economic growth and development theories. Prerequisite(s): ECO 1010 or 1101 or instructor's permission; MAT 1410 or 1412 may be taken as a prerequisite or corequisite.
ECO 1221	Money and Banking	3	This course covers the nature of money; organization and functioning of the commercial banking system; description of financial markets and financial institutions; hedging mechanisms, yield curves, Federal Reserve System and financial intermediaries; the history and current state of banking and financial market regulation; financial panics and crises. Prerequisite(s): ECO 1010 or 1101. Crosslisted with FIN 2221.
ECO 1421	Econometrics	3	Econometrics is where theory meets data. Based on statistics and probability theory, econometrics is the branch of economics that uses economic data to test theoretical relationships, estimate their size and make predictions. As a first course in data analysis, this course will prepare the student for further study of econometrics and for other data analysis fields (e.g. machine learning). Prerequisite(s): ECO 1010 or 1101 and STA 1021.
ECO 1501	Public Finance	3	Role of government in the economy; review of microeconomics; public expenditure analysis; externalities and public goods; public choice; cost benefit analysis; income redistribution and antipoverty programs; economics of social insurance and Social Security; economics of health insurance, Medicaid, Medicare, and comprehensive reform; principles of taxation; economics of excise taxes; efficiency and equity; economics of the U.S. personal and corporate income tax system; tax reform proposals; consumption taxes (sales tax, value added tax, and flat tax); wealth taxes; economics of deficit finance and the government debt. Prerequisite(s): ECO 1010.
ECO 1601	Economic Development	3	This course will introduce students to the concepts of economic development while using current events of developing countries as case studies. Lectures will formally introduce a topic and will be followed by a student presenting an assigned case study and leading a brief class discussion of the issue. Prerequisite(s): ECO 1030.
ECO 1701	International Economics	3	The theory of international trade, international finance, commercial policy, balance of payments, the foreign exchange market, competitiveness in the global economy, international macroeconomics, and foreign direct investment. Emphasis on the determinants and effects of international linkages, including the roles of consumers, firms, and government policies, in the context of the international economic environment. Prerequisite(s): ECO 1010.
ECO 2005	Economics of the Law	3	The relationship of legal institutions and laws to economic efficiency and social goals, such as justice. Economics of property rights, environmental control, administrative processes, contracts, and liability; public utility and antitrust regulation; individual rights and discrimination. Prerequisite(s): ECO 1010 or departmental permission.
ECO 2201	Labor Economics	3	Labor's place in the American economy; factors affecting supply and demand for labor; wage determination; unionism as a response to labor problems; industrial relations; public policy toward labor. Prerequisite(s): ECO 1010.
ECO 2531	Health Economics	3	Application of economic tools and concepts to the analysis of the health care field. Effects of health care on health, hospital behavior, health workforce supply, demand for health care. Role of demographic changes in health care systems. Methodology employed by economists to determine the economic losses suffered in cases involving death and disability. Emphasis on the United States and its current situation. Comparison with other countries. Prerequisite(s): ECO 1010 or departmental permission.
ECO 2601	Financial Economics	3	This is an introductory course in Financial Economics with a particular emphasis on different theories of asset pricing. It will introduce fundamental ideas in Financial Economics like consumer financial decisions in perfect financial markets, how firms are valued, modelling risk in financial markets and finally culminate with a thorough discussion on the two major asset pricing models i.e. Capital Asset Pricing Model (CAPM) and the Arbitrage Pricing Model (APT). Prerequisite(s): ECO 1101 or permission of instructor.
ECO 2801	Auctions and Market Design	3	Introduction to economic design under asymmetric information. A social planner often has no access to information that market participants have, and therefore need to appropriately control their incentives to achieve a goal. We pay special attention to auction markets and matching markets. Prerequisite(s): ECO 1101.
ECO 4741	Economics Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor. May be repeated for a maximum of three credits.
ECO 4901	Independent Study	1 TO 3	Meet with the Yeshiva College Academic Dean. May be taken three times for credit towards degree.
ECO 4930	Topics:	3	Topics in Economics will vary each semester. May be repeated if topic is different.
ENG 0010	ESL: Intro to College	2	Written and spoken english for non-native English speakers, focusing on the fluency, clarity, and correctness of language. Thematically related discussions, essays, presentations, and trips focusing on the international students acculturation to American college life. Required for all entering non-English dominant international students who do not place in Eng 1101. Student must meet with ESL Coordinator.
ENG 0011	Eng as Sec Lang I	1	Written and spoken English, including examination of the nature of the language. First-semester students who are not native speakers must take a placement examination to enter ENG 1101; otherwise, they are placed into one of the three levels of ESL. Each ESL student advances through these levels until he is ready to begin ENG 1101. (3 hours)
ENG 1001	Books on Books/Films on Films	3	What do literature and film tell us about themselves and each other? How is reading a novel or short story different from 'reading' a film? What happens when a story passes from one medium to another? By addressing these questions, this course will help student to develop a deeper understanding of literature and film and the relationships between them. The course will begin by examining the key elements of literary and cinematic story telling, and how these elements come together to produce the meaning of a story. Then we will explore various approaches used in the analysis of literature and film, including both theoretical texts and close readings of particular works in both media, with the aim of enabling students to create their own compelling interpretations of literature and film.
ENG 1002	Diaspora Literature	3	
ENG 1003	Shakespeare and the Arts	3	Shakespeare integrated many genres, subgenres, and forms of art into his plays: songs, poems, dances, and, in The Tempest at the very end of his career, instrumental music and a simple masque. Ever since the Renaissance, Shakespeare has continued to inspire artists of all kinds: painters, sculptors, choreographers, composers, poets, novelists, and filmmakers as well as his fellow playwrights. Shakespeare therefore offers today?s students an excellent opportunity to learn about a broad range of the creative arts during the English Renaissance and beyond. Drawing to a greater or lesser degree on close reading, textual studies, genre studies, genre theory, media studies, film studies, art criticism, art history, literary studies, Shakespeare studies, influence studies, historical studies, and cultural studies, we will focus on how each form of art, each medium, each genre, and each artwork creates meanings.
ENG 1006	The Monstrous	3	Werewolves, dragons, giants, witches, demons, lepers, anthropophagi (a race of cannibals with eyes in their chests)-the Middle Ages were awash in tales of the monstrous. In this class, we will consider monsters and the monstrous from the perspectives afforded by history writing, travel accounts, early maps of the world, folklore, drama, and literary texts. Though sometimes dismissed as the imaginings of a more credulous era, such material not only drew on classical authors but also continued to have wide currency in early modern England, persisting through the change in religious culture known as the Reformation. Indeed, as the word monster (derived from the Latin verb monstrare, or to show) suggests, stories of the monstrous reveal much about the cultures in which they circulated. Our readings will track medieval and early modern attitudes toward religious identity, birth and reproductive practices, gender, personhood, animality, and the supernatural. Throughout the term, we will make sense of these topics by employing methods, questions, and theoretical propositions from different academic disciplines in the humanities.
ENG 1007	Fiction & Artistic Imagination	3	The primary focus of this course is to explore the fiction writer's creative process from different angles, including inspiration, conception, development, revision, and adaptation to the screen. We will be exploring together questions such as the following: What happens during the creative process? What is the relationship between an author's life and the author's fictional works? Where does literary inspiration come from? What do creators of fiction think about as they work? How do short stories and novels get written, rewritten, reimagined? In adapting fictional works, how closely do later writers and filmmakers follow the original work? How do audiences react to changes from the original? Students will read three novels and a selection of short stories as well as some background and critical materials. Also, they will see screen versions of the three novels.
ENG 1013	Lit., Morality & Entertainment	3	The didactic and moral content of English literature often seems in conflict with modern notions of reading as a form of entertainment or imaginative escape. What happens, for instance, if we derive pleasure or enjoyment from a text meant instead to reform our behavior or provide examples of how to act? And what does it mean if we discover moral or ethical models in literature we expected instead to amuse us or divert our attention from serious topics? Does literature have ennobling effects? By the same logic, can artifice inspire immorality, or distract us from what truly matters? And what becomes of the reader who resists or is already estranged, because of religious or cultural identity, from a text's prescriptive intent? We will approach these questions from different cultural and aesthetic vantage points, all variously concerned with how certain literary and artistic forms inscribe their audiences in the stories they tell, scripting a specific moral response in the process. Our investigation will ground itself in readings from classical antiquity before considering the interrelation of artistic form and moral meaning in specific contexts. We will track anxieties about the spiritual consequences of imaginative diversion and departure; reconsider the relationship between religious art and secular forms of entertainment, and the utility of the sacred/secular distinction more generally; explore the different ways in which visual, textual, and performative mediums exert a hold on our minds (and bodies); and assess how these concerns are implicated in contemporary debates about the problematics of reading and moral exemplification. Many of our readings will be drawn from early English poetry, prose, and drama, though no previous exposure to this period or its literature is assumed, and a wide range of critical and theoretical texts will help students situate unfamiliar material. Requirements include informed class participation, ungraded response papers, regular post
ENG 1017	Law and Literature	3	Human beings live in the realms of physics (nature) as well as nomos (convention). Laws and the legal system constitute nomos, and language, written and oral, underlies them; language and nomos modify and normalize physics. Thus we all have intimate contact with the world of language and law from the very beginning of our lives. Writing and law have walked hand-in-hand since the very beginnings of human history. Legal opinions, like novels and films, tell stories, stories about the law and the people, places, and things governed and affected by it; the law, like literature, is dependent on narratives as the carriers of the ethics of collective living. It follows then that all who practice law must necessarily also be readers, and thus interpreters, not only of words and sentences but also of narratives. Arguably, law is the area that most immediately demonstrates the practical value of reading and interpreting the written word. And literary narratives, like legal narratives, are the trajectories plotted upon the material reality not only realistically, to describe our reality, but also normatively, to normalize it, and perhaps provocatively, in order to change it. This class explores 1) Law in literature: the ways in which great literature has often helped us think about the law, and to ask, what is Justice? What is moral and what is immoral? Literature describes the ethical component in the law, that is, how people relate to each other. 2) Law as literature: jurists must think fundamentally about whether practicing law means interpreting an original mind or intention, or whether it means garnering norms from living texts, and also whether texts/laws mean different things for different communities. When we read a literary text we must ask ourselves similar questions. 3) Topic: these days we often hear the claim, We are a country of laws, implying that there are other kinds of law that run counter to our Enlightenment notion that ?no one stands above the law. We
ENG 1019	Times of Crisis: Lit, Art, Mus	3	The connection between music, art, and literature and historical periods of crisis, tumult, and social destabilization. The course investigates the music, art, and literature produced in contexts of moral, political, financial, ecological, health, bio-technological crises. It also explores psychological and phenomenological crises, such as the crisis of personal boundaries in social media. Moments of crisis beget states of exception: culturally, art forms and genres react to crisis by reinventing themselves for unprecedented times. Exceptionality of form in the 20th and 21st centuries has often resulted in the breakdown of representation, tonality, and humanism. It has also, however, had consequential social effects and generated its own new forms of consolation. The course will likewise explore the phenomenon of late work, crisis work produced by individual artists late in life, as they confront their own mortality.
ENG 1023	Authorship: Plato to Wikipedia	3	

ENG 1024	Culture of the Fin de Siecle	3	The end of the 19th and beginning of the 20th centuries was a period of intense creativity and innovation. In Culture of the fin de sie' cle, we will explore the visual, literary, architectural and other creative endeavors of the turn--of--the--century era focused on the city of Vienna, one of the great urban modernist laboratories. Through close examination of texts, images, film and other media, students will consider the philosophical and intellectual underpinnings of the major themes that occupied thinkers of the period, including psychoanalysis, the Jugendstil and Secession, modernist music, and the development of mass politics. Most significantly, we will come to appreciate how useful understanding the intellectual history of the fin de si'cle is in making sense of the world today. Please be aware that this course seeks to achieve an environment of active learning and therefore I expect tolerance in my students for a fair amount of reading and active participation in discussion, as well as requiring two significant writing assignments and a public presentation.
ENG 1025	Film and Gender	3	Cinema is a matter of what is in the frame and what is out, quote by Martin Scorsese. In this course students will learn how to analyze film as an art form that is also informed by a politics of representation. First, film as an art form. This course will cover basic film concepts (cinematography, mise-en-scene, editing sound) and apply them to individual films. Second, what is considered politics of representation? Among many other things, movies tell us what women are like, what women like, what men like, who the real men are, and so on, but who is telling us? A first step in an attempt to answer this question is a discussion of Laura Mulvey's seminal article Visual Pleasure and Narrative Cinema. The key phrase and concept Mulvey gives birth to here, and that has wielded enormous influence in film theory and cinema studies in general, is the concept of what is considered the male gaze, defined as follows: The male gaze is the way in which the visual arts and literature depict the world and women from a masculine point of view, presenting women as objects of male pleasure. This course will expand on that concept by looking, conversely, what is considered the female gaze and female pleasure and also perhaps at something we might call the gender-disorienting gaze and its pleasures. We will also discuss the limitations of Mulvey's theory as perhaps too focused on mastery and control. Through film analysis, this course will enable students to understand large and slippery concepts like society, politics, ideology, gender and subjectivity, and show them how gaining skill in film analysis will also help them to read and analyze real life critically.
ENG 1026	Face-Face:Mod Identities Film	3	
ENG 1027	Global Englishes	3	English is a unique cultural phenomenon. As the official language in countries on all of the continents and with more contact with other languages than any other, it has the broadest linguistic sweep. Moreover, as the de facto lingua franca by which many millions of people conduct business, it is inextricably connected to "globalization" as both a cause and a result. This dominance has had enormous consequences. This course will help students understand how English achieved this dominance (at least so far), how this dominance influences individuals and cultures worldwide,and how languages and globalization operate in relation to culture. Above all, we'll address why all of this matters to those of us who use English in our daily lives, at work, and in the University (including the unique sociolinguistic context of YU) by considering how scholars in sociolinguistics, psychology, history, global studies, and writing studies as well as journalists around the world provide us with insight into this far-reaching phenomenon. Previously offered as COWC 1027.
ENG 1028	Truth in Fiction	3	We will explore how creative works can be simultaneously fictional and autobiographical, and we will investigate the notion, as stated by Camus, that "Fiction is the lie through which we tell the truth."
ENG 1030	Revolutionary Fictions	3	An introduction to 17-19th-century American literature, including poetry, essays, autobiography, novels, and short fiction.
ENG 1033	Utopias and Dystopias	3	Throughout history, great thinkers and social revolutionaries have imagined and created utopias' visionary communities embodying their ideals. Others, questioning the totalitarian impulses they believed lurked behind such utopian projects, have imagined dystopias that demonstrate the ways such projects might go awry. With attention to the shaping influences of social, political, and economic forces, Utopias and Dystopias Across Time will explore utopian and dystopian thought from the 16th-century to the present through works of literature, philosophy, architecture, and film. Course texts will include Le Guin's The Ones Who Walk Away from Omelasand More's Utopia; excerpts from Marx's the 1844 Manuscripts and The Communist Manifesto; excerpts from Bellamy's Looking Backward and Morris's News from Nowhere; excerpts from Robinson's Mars Trilogy; Freud's Civilization and Its Discontents; excerpts from Piercy's Woman on the Edge of Time; and Anderson's Feed. Films will include Modern Times; Pleasantville; and Wall-E.
ENG 1034	Stranger Things: Art of Unreal	3	'Reality is not always probable, or likely.' -Jorge Luis Borges. In this class, we will study how literature and other media can usher us into a claimed actuality very different from the external world as it is collectively perceived or experienced. At least initially, then, the issues we confront will be epistemological in nature, that is, they will concern how art challenges or otherwise defines the limits of what we can know and understand; and yet we will also try to push beyond familiar theoretical frameworks (e.g., Plato, Freud) by examining modern philosophical accounts of literary aesthetics. This work will guide us through a broad range of textual forms and discourses, from classical epic to contemporary film and television, all variously marked by the ramifying proximity of the alien and the familiar, by moments of estrangement and epistemic disruption. To reference the shadowy parallel dimension from the popular television miniseries 'Stranger Things', think of the course as a class trip to the Upside Down and its analogous settings, as afforded by engagements with classical poetry; medieval romance; Arthurian legend; fantasy literature; mystical and visionary writing; magical realism; abstract expressionism; and, by the end of the term, science fiction. We will read/view selections from Virgil, Dante, Malory, Kempe, Tolkien, Hoffman, Lovecraft, Rushdie, Pynchon, Borges, Kubrick, Dali, Asimov, and the Wachowskis, supplementing such material with critical and theoretical readings intended for a general student audience. Requirements will include regular responses to an on-line discussion forum, a critical essay, and at least one collaborative multimedia project.
ENG 1035	Presence of the Past	3	This course explores a wide range of material that locates and authorizes itself in relation to a past both real and imagined. The primary questions will be interpretive but also methodological in the sense that they will prompt us to examine the assumptions we bring to our own textual and historical practices: What are the uses of 'antiquity'? How do texts and their readers negotiate the imperatives of remembrance and reinvention? Can tradition be assimilated to the present in meaningful ways, and which modes of reading and interpretation emerge within the scope of this process? Drawn from disparate contexts and genres, the readings in this class will appeal to a broad audience. Students will consider the status of 'historical' fiction, the 'discovery' of ancient religious writings, the survival of Greek and Roman mythology into later periods, the vogue among some early English writers for invented genealogies, and the various controversies at the moment surrounding US Civil War monuments. Previously offered as CUOT 1035.
ENG 1036	Travel Writing	3	Explores travel writing within its changing cultural and historical contexts, beginning with the westward migration of refugees in the Trojan War, continuing with works by Marco Polo, Shakespeare, and Swift, and concluding with contemporary narratives of refugees, migrants and asylum seekers. Students will write critical essays and presentations, as well as their own travel narratives.
ENG 1043	Spiritual Autobiographies	3	An interdisciplinary, co-taught course on spiritual autobiography and other forms of life-writing from the medieval and early modern periods, with readings drawn from Jewish authors in conversation with their Christian contemporaries.
ENG 1103	Topics: Wrtg Pub & Cmty Engmt	1	The purpose of this course is to create a strong community of writers who will support each other as they develop as writers and contribute to a vibrant writing culture at YU. Students who participate in the course will choose one of the following options: 1) To develop an essay written in First Year Writing for publication (in an undergraduate academic journal, newspaper op-ed section, magazine, blog, or other venue) - Outcome: the final essay and a reflection; 2) To help develop a writing presentation/workshop for the YU community on a chosen topic - Outcome: the workshop and a reflection; 3) To learn principles and strategies of writing pedagogy (the teaching of writing) in order to serve as a paid writing consultant for students enrolled in First Year Writing next year - Outcome: the development of a guide for consultants and a reflection. In the process of fulfilling any one of these objectives, students will develop writing, communication, and leadership skills; confidence in their own and each other's abilities; and stronger relationships with their peers and the broader community. Students will use what they learn about writing to improve their own practice and make meaningful contributions to community and society. With the support of their peers, they will translate knowledge into practice in ways that affect change, propel them forward, and make a positive impact in the lives of others.
ENG 1408	Writing the Self: Memoir	3	Working off of the premise that we, too, contain multitudes, in this creative writing workshop, we will explore the process of taking our intricate, unruly, expansive, and multidimensional selves and experiences and shaping them onto the written page. Through mining for inspiration a range of works, from the linear to the experimental, in which writers use "I" as a point of departure for describing their worlds, we will develop and refine our own methods for telling the complexity of the self. This course will move between discussions of readings and craft techniques, in-class writing, and full-class workshops. Students will work as a classroom community to constructively comment on each other's work as well as to investigate through writing the ways that the self can be expressed and transformed, pushing the boundaries of the artistic and written imagination. Prerequisite(s): FYWR 1020 or BUS 1010.
ENG 1409	Writing the Essay	3	In his essay 'The Singular First Person' Scott Russell Sanders claims, 'choose to write about my experience not because it is mine, but because it seems to me a door through which others might pass.' In this class students will examine the personal essay; its form, history, and presence within Anglophone and international literature. But most importantly students will write personal essays, keeping in mind that the essay is a passageway from personal experience to public presentation, from reader to writer, from past to present, and from the known into the unknown. Students will develop habits of creativity including journaling, brainstorming, and collecting materials. Students will develop their voice on the page through drafting and revising and will also learn from each other in a writers' workshop. Readings will include works by Montaigne, Woolf, Thoreau, Baldwin, Borges, Didion, Lopate, and many others. Prerequisite(s): BUS 1010 or FYWR 1020. This course satisfies the UG Humanities requirement.
ENG 1450	Writing with Power	3	Through study of the ancient art and history of rhetoric, students will learn to discern the merit of arguments and improve their own language facility, develop a systematic composing process, and understand how to deploy these strategies for any rhetorical situation. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1591	Intro to Children's Literature	3	In this course, students will read and discuss works in the history of literature written for child readers. It will introduce historical conceptions of childhood and child development, the origins of children's literature in devotional literature, didactic plays, and genre fiction, and the use of allegory for instruction and delight. Students will write papers that use formal, historical, and theoretical approaches to analyze these works. Students who have completed or plan to take ENG 2791 may not take this course.
ENG 1660	Writing Abt Medicine & Illness	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1680	Writing for the Workplace	3	Developing the skills and qualities for successful workplace communicators. Emphasis on collaborative writing and group projects, focusing on digital and cross-platform communication, social media and online content creation and management. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1721	Intro to Creative Writing	3	Each workshop progresses from formal, technical exercises to original compositions. Criticism of work in progress and completed group analysis, written recommendations, and personal conferences are offered. Students improve their basic writing skills and develop their creative talents. Reading literary and other texts: fiction, nonfiction, poetry, and drama. Writing critical and analytic essays, with emphasis on revision. Prerequisite(s): FYWR 1020 or BUS 1010.
ENG 1725	Scriptwriting	3	Each workshop progresses from formal, technical exercises to original compositions. Criticism of work in progress and completed group analysis, written recommendations, and personal conferences are offered. Students improve their basic writing skills and develop their creative talents.Reading literary and other texts: fiction, nonfiction, poetry, and drama. Writing critical and analytic essays, with emphasis on revision. Open only to students admitted to the Jay and Jeanie Schottenstein Honors Program. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1728	Playwrighting	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1800	Writing/Reading Poetry	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1822	Writing Fiction	3	In this class we will immerse ourselves in the glorious art of writing fiction by closely reading great practitioners of the form and by discussing your creative work in progress. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1832	Writing Poetry	3	Each workshop progresses from formal, technical exercises to original compositions. Criticism of work in progress and completed group analysis, written recommendations, and personal conferences are offered. Students improve their basic writing skills and develop their creative talents. Reading literary and other texts: fiction, nonfiction, poetry, and drama. Writing critical and analytic essays, with emphasis on revision. Open only to students admitted to the Jay and Jeanie Schottenstein Honors Program. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1833	Writing Digital Poetry	3	Writers will develop poetry through traditional and mixed-media approaches, explore the importance of revision while building digital spaces for finished products, and challenge form by incorporating poems into videos, choose-your-own-adventure style websites, and other integrations of technology. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 1895	Screenwriting	3	Prerequisite(s): BUS 1010 or FYWR 1020.

ENG 2010	Interpreting Texts	3	Introduction to at least three and as many as five major approaches to literary interpretation. Examples: close reading, reader response criticism, deconstructionism, new historicism, and cultural studies. Students read literary works in various genres and learn to interpret them by applying literary theory. Each student should develop a complex, multipronged understanding of literature and literary criticism. This course can be applied to the literature requirement for graduation; it is required for both the major and the minor (literature track) in English. Not open to students who have received credit for ENG 2001. Prerequisite(s): BUS 1010; or FYWR 1020 may be taken as a prerequisite or corequisite.
ENG 2017	Primary Bnds:Chldn in Lit&Film	3	Examines four works of narrative fiction from the 17th through 19th centuries by Homer Ceruzates Dickens 2nd Dostoecsky or Kafka. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2018	Influences: Frankenstein	3	A study of the wide-ranging influences of Shelly's famous novel or later literature, film and art. The course will include text that influenced Frankenstein including gothic fiction, romantic poetry and early mythology. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2033	Global Shakespeare	3	An investigation of Shakespeare's settings as dramatic landscapes, regions of cultural contact, and contested or colonized national spaces. Special emphasis on how such settings inform our sense for the imaginative resources of the early modern stage and illuminate England's place within a shifting and increasingly permeable European world-system. Prerequisite(s): FYWR 1020 or BUS 1010.
ENG 2037	Shakespeare and Film	3	A study of Shakespeare's principle plays and their adaption into modern and contemporary media, especially film. Emphasis on transnational and non-Anglophone cinema, the idea of a global Shakespeare, and the construction of cultural identity in both playwriting and filmmaking. Intended for anyone interested in Shakespeare, film and media studies, and creative writing (assignments include collaborative work on film scripts and storyboards). Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2049	Romantic Revolutions	3	Study works by famous British Romantic authors - Blake, Wordsworth, Coleridge, Byron, Keats, the Shelleys, and Austen - in the context of the exciting political, scientific, economic, and literary revolutions of their age. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2057	Tolkien	3	In the almost seventy years since the appearance of The Lord of the Rings, the saga of J. R. R. Tolkien's Middle-Earth has shaped popular conceptions of the languages, peoples, and history of the Middle Ages. In turn, various adaptations of the novel have broadened the reach and appeal of Tolkien's creation, which has subsequently been reinterpreted by filmmakers, musicians, artists, and audiences. This course focuses on the long journey from novel to film that began while Tolkien was still alive but as only realized decades after his death. Through close analysis of Peter Jackson's directorial technique, Howard Shore's musical score, and the concept art of Alan Lee, students will examine how Tolkien's massive novel was brought to an arguably even more influential medium in Peter Jackson's The Lord of Rings film trilogy and how Tolkien and Jackson's works form contemporary conceptions of the medieval past. In addition to readings, the course includes screenings of Jackson's films as well as of the animated adaptations that preceded his trilogy.
ENG 2059	Crime in 19/20 Century Fiction	3	Interrelations of law, criminality, guilt, punishment, and identity through the prism of literature. Topics: transgression, confession, the criminal and the detective, identity and social order in law and literature. Sophocles/Anouilh, Kleist, Foucault, Kalka, Dostoevsky, Zola, Poe, Capote, Ellroy, Freud, Films: Heavenly Creatures, The Silence of the Lambs, I Confess. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2067	20th Century American Novel	3	This course surveys key American 20th century novels within their historical and cultural context. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2083	Postmodern Fiction	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2317	21st Century Chaucer	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2346	Milton & 17th Cent Lit	3	Studies in the works of Milton and other authors. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2356	18th Century British Lit	3	Students in this course will read and discuss texts in British literature of the long 18th century (from the Restoration through the Regency era), which may include fiction, poetry, drama, and satire. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2360	The Enlightenment	3	Continental and English masterpieces by writers and thinkers of the 17th and 18th centuries.
ENG 2410	Eminent Victorians	3	Students will read several major novels written during the reign of Queen Victoria in Great Britain from 1837-1901, which was a period of both rapid modernization and rigorous social conformity. Popular fiction offered British readers vicarious experiences of global adventure and urgent calls for change. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2453	Jews in Western Literature	3	This course examines representations of Jewishness in Western literature. Well consider how authors reflect, reinforce, and/or challenge the prejudices of their time historical and cultural moments, and how these characterizations have impacted the social history of anti-Semitism (and philosemitism).
ENG 2612	Amer Lit & Art: 1865 - Present	3	Development of American literature. First semester: through 1870; second semester: since 1870. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2717	Art of Poetry	3	Students who have previously found poetry mystifying and thorny will learn how to unlock, unpack,and make sense of a broad range of traditional and modern poems in English by authors such as Shakespeare, Donne, Milton, Blake, Wordsworth, Keats, Browning, Whitman, Dickinson, Hardy, Hopkins, Yeats, Frost, Stevens, Williams, Pound, Moore, Eliot, and Crane. Students who already like and understand some poems will expand their range and their skills as interpreters. All students will gain confidence through attentive reading, with respect for the text as written and an eye to the interrelationships of voice, style, form, content, and purpose. By writing clear, concise, well organized, well-specified, and interesting interpretive essays, they will learn to think more analytically and critically. Brief lectures will punctuate guided Socratic discussions intended to stimulate genuine thoughtfulness about the means and ends of specific poems. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2791	Children's Literature	3	Literary explorations with a historical or sociological slant. May focus on one of the following topics: literature and war, literature and revolution, literature of the underclass, the immigrant experience in America, colonialism, and imperialism. Students who have completed ENG 1591 may not take this course. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2805	Science Fiction	3	This course focuses on science fiction (SF) short stories about time travel, the future, alternative pasts, and beings whose relation to time differs from our own. Students will read works by such giants as Asimov, Bradbury, Butler, Chiang, Clarke, Dick, Gibson, Heinlein, and LeGuin from a range of SF movements, including the golden age, new wave, alternate history, cyberpunk, and steampunk. Students will also watch TV episodes and a film. Because these works illustrate key concepts in how we understand time - such as Einstein's special theory of relativity, changes over time, the possible unreality of time, and how audiences are clued in to narrative time frames - students will also consider responses to SF time by a theoretical physicist, historians, and a philosopher, and the course will be taught by a Ph.D. in English who has published on SF. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2810	Harlem Renaissance	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2861	Major Authors	3	Herman Melville and Walt Whitman were both born in 1819 and died within a year of each other (1891/1892). They developed within the artistic battles in New York City embodied in the Young America movement, a now forgotten footnote to the work of two great writers. The two never met nor did they read each other's works. Yet, while one worked in poetry and the other predominantly in prose (Melville was also an accomplished poet), they posit opposing philosophies of what it is to be an American. Whitman was the great dissolver of all differences; Melville was the creator of the social reality; whereas Whitman saw the poet's role as subsuming all objective reality and recasting it as a unified poetic vision, Melville saw the literary act to be rescuing the real from the onset of poetic/personal subjectivity.
ENG 2910	American Autobiography	3	Diverse forms of personal narratives in the United States from the 16th century to the present; emphasis on the changing needs that writing autobiography has served over this period and the variety of forms that writers life stories have taken. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2920	Topics in Lit:	3	Topics in Literature may vary each semester.
ENG 2960	Art of Film: 1896-1968	3	This course explores the analysis of film, film genres and their conventions, key ideas in film theory, and important artistic and technological turning points in the history of cinema. Prerequisite(s): FYWR 1020 or BUS 1010.
ENG 2963	Graphic Novels and Animation	3	Fulfills the non-British literature requirement for English majors. Also counts towards the new Media Studies minor and fulfills the YC Writing-Intensive requirement. Theme, idea, form, aesthetics, and craft in the evolving genres of the graphic novel and animation. How do and should we read, watch, and analyze comics and animations, and how do they approach and make contact with us? We will try to understand the nature of their expressive potential and also how they democratize art production by way of the technologies that bring them to life. Comics, graphic novels, and animations can be ordered according to traditional sub-genres such as comedy, tragicomedy, family memoir, historical fiction, etc., so we will discuss how this new medium innovates traditional categories. Among a number of other concerns, we will deal with the question of why artists in the 20th and 21st centuries have so often turned to these media when narrating stories about the Holocaust, nuclear destruction, and human rights crises, and, on a smaller scales, stories about individual loss, emancipation, and growth. We will also try to understand the cultural politics of the super-hero phenomenon as well as the insistent tension between the utopian and the dystopian impulses in graphic novels and animations. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 2964	Art of Film: 1968-Present	3	This course in American film since 1968 introduces students to the essentials of film analysis through the study of how elements of mise-en-scene and editing produce meaning, the conventions of film genres, and key ideas of film theory. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3005	Advanced Seminar	3	An intensive seminar for upper level students on research and writing in the discipline. This course explores the kinds of research and writing associated with literary studies, from traditional academic projects to more creative writing possibilities. It focuses on a few main texts studied intensively from a variety of approaches. In that sense, it builds on the work of English 2010, while preparing students for the senior colloquium in their final Spring semester through discussion leading and presentations. Writing exercises throughout the semester will culminate in a final paper or a creative project. Students should plan to take this course in the fall semester of their final year. In certain cases, they may take it the previous year, but they should be well into their English studies. Prerequisite(s): BUS 1010 or FYWR 1020; and ENG 2010. For English Seniors only.
ENG 3024	King Arthur & Idea of England	3	An intensive study of three key moments in the legend of King Arthur, England's most celebrated-and enigmatic-folk hero. We will consider how transformations in the Arthur legend raise far-reaching questions about English national identity and its mythical origins. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3025	Religious Other-Early Eng Lit	0 TO 3	Looking mostly at literature from the millennium known as the Middle Ages, this course investigates the themes and anxieties that shaped medieval notions of religious identity and, in particular, the strategies of religious self-definition that characterized Christianity's confrontation with Judaism and Islam during the period. The focus will be on texts that explore these issues through vivid imaginary encounters with the religious other; accounts of martyrdom and sainthood, Jewish and Muslim representations of the Crusades, literary adaptations of biblical writings, and various stage dramatizations of Jewish conversion, including Shakespeare's problematic comedy The Merchant of Venice. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3042	Milton and Religion	3	This course focuses on the life and work of John Milton (1608-74), with special attention to Paradise Lost in its literary and historical contexts. We will seek to understand how Milton's religious knowledge illuminates our reading of this great biblical epic. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3055	Victorian Lit and Culture	3	Counts as one of the two 3000-level courses for English majors. Also fulfills the YC. Writing-Intensive requirement. Nineteenth-century British texts beg for interdisciplinary approaches, best represented by the movements in critical theory called New Historicism and Cultural Studies, which updated and transformed the Victorian Studies movement. Novels like Dickens' Hard Times focused explicitly on societal crises, while poets like Tennyson took on social and moral responsibilities, which many Victorians came to feel the Romantics had shirked. Darwin, geology, and contemporary scholarship led many people to question their religious beliefs and their views about human nature. Political developments led them to question their beliefs about men, women, and representative government. In what ways did each text describe or replicate social fault lines? Did the authors' ideas about how to palliate or eliminate social problems go far enough, or could they have gone further? Readings will cluster around radical cultural developments such as industrialization, urbanization, democratization, and evolution, as unprecedented circumstances propelled writers toward new styles, forms, and positions. Through this course, you will learn to read texts closely, to interpret literature as part of a cultural and social fabric, to imagine (provisionally) what various works meant to the authors' contemporaries, and to realize why modern and Victorian interpretations of the same work inevitably diverge. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3092	The 60s: A Cultural History	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3376	The European Novel	3	Intensive study of five landmark novels, some in translation, by authors who have explored new territory in modern fiction. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3424	Renaissance Drama	3	Renaissance plays by authors other than Shakespeare. Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3575	Approaches to Film	3	Prerequisite(s): BUS 1010 or FYWR 1020.
ENG 3589	Literature & Psychology	3	Prerequisite(s): BUS 1010 or FYWR 1020.

ENG 4001	Senior Colloquium	3	The revised Colloquium will be a 3-credit course for both Literary Studies and Creative Writing students, taking place in online and face-to-face sessions in a single semester. Each of the sessions will focus on a work of literature and at least one modern refashioning of it, whether through film, fiction, graphic novel, or another art form. Students will respond to these works through a variety of prompts that will elicit both traditional literary analysis and other forms of creative expression over the course of the semester. Students will also be responsible for leading discussion in at least one session. At the end of the semester, students will submit a written paper that they will then present to faculty examiners in a discussion in which they will be asked to reflect more synthetically on the work of the Colloquium. As with the other writing prompts, they will have a variety of options for the form that this final paper takes, from traditional literary analysis to other forms of creative writing. Required of all English majors with senior standing. Prerequisite(s): BUS 1010 or FYWR 1020; and ENG 2010.
ENG 4741	Internship	1 TO 3	
ENG 4901	Independent Study	1 TO 3	Departmental approval required; review and approval by Academic Standards required as well. Meet with the Yeshiva College Academic Dean.
ENG 4930	Topics in Communication	3	Topics in Communication may vary each semester.
ENGR 2001	Engineering Foundations	1 TO 2	This course describes matters of interest common to all Engineering fields, skills applicable to engineering design, synopses of selected engineering fields, and completion of a capstone team-based interdisciplinary project.
ENGR 4111	Intro to 3D Print w Fusion 360	3	This course introduces students to 3D printing fundamentals and digital modeling using Fusion 360, with a focus on designing and fabricating functional objects.
FYS 1000	First Year Seminar	0	
FYWR 1020	First Year Writing	3	First Year Writing introduces students to college-level writing and prepares them for all subsequent academic work by also deepening reading comprehension and critical thinking skills. Every section of this course emphasizes the writing process to develop strategies for the invention, exploration, and revision of written work. First Year Writing encourages rhetorical flexibility and helps students integrate and build on outside ideas in order to consider a topic from different viewpoints and learn how to properly document sources. FYWR 1020 is required for all incoming students.
HEB 1004	Elementary Biblical Hebrew II	2 TO 5	
HEB 1005	Intermed. Biblical Hebrew I	2 TO 5	
HEB 1006	Intermed. Biblical Hebrew II	2 TO 5	
HEB 1010	Hebrew Level 1	2	The course is designed to introduce students to the foundations of Hebrew grammar and to a basic vocabulary that they will use to develop the ability to understand simple oral and written conversations and short stories, and to produce simple, well-built functional sentences in Hebrew. A variety of Jewish resources will be used to enhance studentsâ€™ development of Hebrew language skills as well as their understanding of the major role Hebrew plays in Jewish culture.
HEB 1020	Hebrew Level 2	2	Built upon studentsâ€™ elementary knowledge of Hebrew language this course is designed to continue to develop their lexical and grammatical proficiency. During the course students will encounter increasingly complex grammatical and textual materials that will help them develop a solid reading comprehension ability as well as oral and written communication skills. Classical texts will play a role in expanding studentsâ€™ vocabulary and appreciation of Hebrew in Jewish life.Â Prerequisite(s): HEB 1010.
HEB 1030	Hebrew Level 3	2	Designed to review and strengthen existing foundations of Hebrew, this course introduces student to increasingly complex textual materials including modern Hebrew poetry. The encounters with these materials will enable students to develop higher level reading comprehension strategies, enlarge their active vocabulary, enhance their grammatical skills, develop their ability to discuss a great variety of Hebrew texts verbally and in writing, and enrich their understanding of modern Israel.Â Prerequisite(s): HEB 1020.
HEB 1040	Readings in Biblical Hebrew	3	This course will be based on readings in different genres of biblical texts, through which students will gain and reinforce knowledge of Hebrew language and grammar, and develop greater sophistication in their ability to read. Prerequisite(s): HEB 1030 or by assignment.
HEB 1041	Conversational Hebrew	2 TO 3	This course will focus on communication skills in Modern Hebrew, including spoken and written comprehension and expression. Topics will vary each semester, and will draw on relevant literature and other media.
HEB 1043	Israeli Society & Language	3	Through the use of authentic materials of contemporary Israeli media, including television, music, movies and news, students will expand their Hebrew vocabulary and communication skills through social-centered language learning that focuses on the foundations of language acquisition: interpretive, interpersonal, and presentational. Firmly based on the proficiency approach and ACTFL standards, students will encounter a safe and comfortable environment in which to push their intermediate Hebrew skills to the next level. Prerequisite(s): HEB 1030.
HEB 1046	Readings in Aramaic	1 TO 3	Introduction to Aramaic grammar. Discussion of literary and other features called for by the nature of the texts covered, which may include targum, midrash, synagogue poetry and Dead Sea Scrolls. Prerequisite(s): HEB 1030 or advanced placement.
HEB 1104	Elementary Hebrew II	2 TO 3	No credit if taken after two or more years of high school Hebrew. Students with three years of high school Hebrew may enter HEB 1104 or 1104B or 1203 or 1203A with permission of the instructor. The continuation of this course is HEB 1203 or 1203A.
HEB 1105	Intermediate Hebrew I	2 TO 5	
HEB 1106	Intermediate Hebrew II	2 TO 5	
HEB 1205	Upper Intermediate Hebrew I	2 TO 3	Systematic review of applied grammar (phonology, morphology) to enhance comprehension and expression. Readings in various genres of Hebrew literature and newspapers; sentence construction. The continuation of this course is HEB 1207 or 1231. Prerequisite(s): HEB 1204 or four years of high school Hebrew.
HEB 1206	Upper Intermediate Hebrew II	2 TO 3	Systematic review of applied grammar (phonology, morphology) to enhance comprehension and expression. Readings in various genres of Hebrew literature and newspapers; sentence construction. The continuation of this course is HEB 1207 or 1231. Prerequisite(s): HEB 1204 or four years of high school Hebrew.
HEB 1225	Biblical Hebrew I	2 TO 3	The course will familiarize the student with all of the common features of Biblical Hebrew. The language will be taught inductively, using the Pentateuch as its primary text, taking advantage of the students' basic familiarity with Hebrew.
HEB 1226	Biblical Hebrew II	2 TO 3	The course will familiarize the student with all of the common features of Biblical Hebrew. The language will be taught inductively, using the Pentateuch as its primary text, taking advantage of the students' basic familiarity with Hebrew.
HEB 1305	Advanced Hebrew I	2 TO 3	
HEB 1306	Advanced Hebrew II	2 TO 3	
HEB 1310	Advanced Hebrew Morphology	2 TO 3	Grammar, writing, and conversation. Prerequisite(s): HEB 1206 or equivalent.
HEB 1406	Advanced Conversational Hebrew	2 TO 3	Spoken modern Hebrew, using advanced textbooks and Israeli newspapers.
HEB 4901	Independent Study	1 TO 3	Meet with the Yeshiva College Academic Dean.
HES 1011	Heb Lang + Lit	1	
HES 1012	Heb Lang + Lit	2	
HES 1013	Heb Lang + Lit	3	
HES 1014	Heb Lang + Lit	4	
HES 1015	Heb Lang + Lit	5	
HES 1016	Heb Lang + Lit	6	
HES 1021	Heb Lang + Lit	1	
HES 1022	Heb Lang + Lit	2	
HES 1023	Heb Lang + Lit	3	
HES 1024	Heb Lang + Lit	4	
HES 1025	Heb Lang + Lit	5	
HES 1026	Heb Lang + Lit	6	
HES 1031	Hebrew Lang & Lit (JSS)	1	
HES 1032	Hebrew Lang & Lit (JSS)	1 TO 2.5	
HES 1033	Hebrew Lang & Lit (JSS)	1 TO 3	
HES 1034	Hebrew Lang & Lit (JSS)	1 TO 4	
HES 1035	Hebrew Lang & Lit (JSS)	5	
HES 1040	Hebrew Lang & Lit (JSS)	1 TO 4	This course indicates block transfer credit granted for courses taken in the JSS undergraduate Torah studies program. The JSS program is a comprehensive program for students seeking to improve and expand their skills and knowledge of Jewish studies on either the beginning or intermediate level and teaches the fundamentals of Jewish scholarship and heritage through a unique curriculum and exciting out-of-classroom experiences. Courses cover Hebrew language, Bible, Mishnah & Talmud, and Jewish History, Philosophy, Laws, & Customs.
HES 1042	Hebrew Lang & Lit (JSS)	2	
HES 1072	Heb Lang & Lit	2	
HES 1111	Heb Lang + Lit	1	
HES 1112	Heb Lang + Lit	2	
HES 1113	Heb Lang + Lit	3	
HES 1121	Heb Lang + Lit	1	
HES 1122	Heb Lang + Lit	2	
HES 1123	Heb Lang + Lit	3 TO 5	
HES 1124	Heb Lang & Lit	4	
HES 1131	Hebrew Lang & Lit (MYP)	1	
HES 1132	Hebrew Lang & Lit (MYP)	1 TO 2	
HES 1133	Hebrew Lang & Lit (MYP)	1 TO 3	
HES 1134	Hebrew Lang & Lit (MYP)	1 TO 4	
HES 1140	Hebrew Lang & Lit (MYP)	1 TO 4	This course indicates block transfer credit granted for courses taken in the MYP undergraduate Torah studies program. The MYP program focuses on analysis of Talmudic texts and commentaries in the original Hebrew and Aramaic; discussion of their cultural implications.
HES 1183	HEB LANG & LIT	3	
HES 1211	Heb Lang + Lit	1	
HES 1212	Heb Lang + Lit	2	
HES 1213	Heb Lang + Lit	3	
HES 1215	Heb Lang + Lit	5	
HES 1216	Heb Lang + Lit	6	
HES 1221	Heb Lang + Lit	1	
HES 1222	Heb Lang + Lit	2	
HES 1223	Heb Lang + Lit	3	
HES 1224	Heb Lang + Lit	4	
HES 1225	Heb Lang + Lit	5	
HES 1226	Heb Lang + Lit	6	

HES 1230	Hebrew Lang & Lit (IBC)	.5	
HES 1231	Hebrew Lang & Lit (IBC)	1	
HES 1232	Hebrew Lang & Lit (IBC)	1 TO 2.5	
HES 1233	Hebrew Lang & Lit (IBC)	1 TO 3	
HES 1234	Hebrew Lang & Lit (IBC)	1 TO 4	
HES 1240	Hebrew Lang & Lit (IBC)	2.5 TO 4	This course indicates block transfer credit granted for courses taken in the IBC undergraduate Torah studies program. The IBC program is a structured and comprehensive program in the major areas of Jewish learning, such as Talmud, Bible, Hebrew language and literature, Jewish history, Jewish philosophy and ethics, and Jewish law.
HES 1271	Heb Lang & Lit	1	
HES 1550	Yeshiva Program	1 TO 12	
HES 1611	Heb Lang & Lang	1	
HES 1612	Heb Lang & Lit	2	
HES 1613	Heb Lang & Lit	3	
HES 1621	Heb Lang & Lit	1	
HES 1622	Heb Lang & Lit	2	
HES 1631	Hebrew Lang & Lit (BMP)	1	
HES 1632	Hebrew Lang & Lit (BMP)	1 TO 2	
HES 1633	Hebrew Lang & Lit (BMP)	1 TO 3	
HES 1634	Hebrew Lang & Lit (BMP)	1 TO 4	
HES 1640	Hebrew Lang & Lit (BMP)	1 TO 4	This course indicates block transfer credit granted for courses taken in the BMP undergraduate Torah studies program. The BMP program consists of traditional Talmudic texts and commentaries accompanied with student preparation (Seder), with additional courses in Jewish thought, ethics, and philosophy (Machshevet Yisrael) and Jewish law and its development (Halakhah).
HES 1900	Israel Program	1 TO 16	Yeshiva University's S. Daniel Abraham Israel Program enables more than 500 young men and women per year to study at 40 yeshivot and other educational institutions in Israel, including Bar Ilan University. The program is supervised by YU staff at the YU Caroline and Joseph S. Gruss Institute in Jerusalem. Students enrolled in the Israel Program are considered YU undergraduate students in New York and are eligible for all applicable state and federal financial aid programs.
HIS 1101	The Emergence of Europe	3	Major themes in the cultural, political, and social evolution of the West from antiquity to the Reformation. This course was formerly listed as HIS 1001.
HIS 1102	The Transformations of Europe	3	Survey of European history from the age of absolutism to the European Union of today.
HIS 1105	History of Ancient Near East	3	The goal of this course is to survey the political and cultural history of the ancient Near East from the earliest historical periods to the fall of the Persian Empire. This survey will focus primarily on ancient Mesopotamia, but will also include discussion of other Near Eastern civilizations.
HIS 1201	Survey of US History I	3	Aspects of American history, from colonial times to 1877, that have contributed to the shaping of American culture; evaluation of political, social, and economic trends in the light of changing ideals. Formerly HIS 2005.
HIS 1202	Survey of US History II	3	This course will explore the development of the United States from Reconstruction to the present day and will provide students with a foundational knowledge of US history. Formerly HIS 2006.
HIS 1302	History of Modern Middle East	3	This course is an introduction to the history, culture, and politics of the modern Middle East from the mid-19th century to the present. Previously offered as HIS 3222.
HIS 1401	History of East Asia	3	Introduction to the history and culture of the major civilizations of East Asia, with particular focus on China and Japan. The development of traditional society and the growth and transformation of Confucian ideas and institutions. Covers the differing responses of China and Japan to the challenge of Western imperialism, impact of World War II on East Asia, and the Chinese Revolution. Formerly HIS 3300.
HIS 1403	Modern China and Its Peoples	3	This course is an introduction to the history and culture of modern China, from the nineteenth century to present day. We will explore the remarkable changes in political life, intellectual trends, gender and ethnic relations, and cultural developments that occurred in China through these two tumultuous centuries, and examine the historical context for major events such as the revolutions of 1911 and 1949, the Cultural Revolution, and the 1989 democracy movement. We will then explore the key issues that the diverse peoples of contemporary China are confronting today, including environmental pollution, separatist movements, and economic growth. To explore these topics, this course will introduce to students a wide variety of materials, including historical documents, scholarly articles, editorials, novels, films, and other forms of popular culture. No background knowledge of China or Chinese language is required for the course.
HIS 2101	Medieval Societies	3	History of European politics, society, and religion in the Middle Ages, from the 5th to the 14th centuries, with particular focus on selected primary sources from the period and how historians view them today. Formerly HIS 1120.
HIS 2103	Spanish Inquisition	3	Explores the history of the Spanish and Portuguese Inquisitions from multiple vantage points. The focus is on Jews and Conversos, the main targets of the Inquisition's persecution, and on the dynamics of crypto-Judaism in Iberia and the Americas. But we will also consider the experiences of other groups targeted by the Inquisition such as Moriscos, Protestants, free-thinkers, witches, and different groups of non-conformists. Crosslisted with JHI 2103.
HIS 2104	Renaissance and Reformation	3	This course will examine some of the fundamental intellectual, cultural and political developments in Europe between roughly 1400 and 1600 CE and consider some recent scholarly approaches to those developments. Formerly HIS 1140.
HIS 2109	Kings and Queens	3	This course will examine the history of Britain in the early modern period (1450-1700), with special focus on the rulers. It will introduce the main political developments in this period, the main cultural achievements, and the main personalities, in a chronological framework, and will include analysis of a range of primary sources.
HIS 2124	History of the Book	3	Focuses on some of the major themes in the history of the book during the age of the wooden hand press (1460 to ca. 1800): the transition from manuscript to print and the changing physical appearance of books, publishing and the book trade, copyright and censorship, and the history of reading. The final section of the course examines the world of books in the age of Google, comparing the internet revolution of today with the Gutenberg revolution of the early-modern period.
HIS 2127	The European Enlightenment	3	This course covers the scientific revolution and the Enlightenment; the development of the public sphere; cultural origins of the French Revolution. Romanticism and the critique of Enlightenment rationality; Hegel and Marx; modernism and the crisis of historicism. Formerly HIS 1601.
HIS 2141	History of the Holocaust	3	Fate of European Jewry between 1933 and 1945. Topics include the rise of the Jewish question in 19th-century Europe; World War I and its consequences; causes of the Weimar Republic's collapse; Nazi seizure of power; Nazi Jewish policies; ghettoization in Nazi Europe; conception and implementation of the Nazi Final Solution; life in the ghettos; the Judenrat; and Jewish resistance.
HIS 2144	Pol-Jew Rel.Mod.Times 1772-Pre	3	Polish-Jewish relations in the period 1764 to the present, viewed within the larger context of the disappearance of Poland from the political map of Europe in the late18th century, the persistence of Polish statelessness throughout 19th century, and the influence of this development on the lack of Jewish social integration into Polish society. Second part of the course examines the thriving Jewish cultural and spiritual life in the independent Polish state, the Holocaust, post-World War II relations, and the current renewal of Jewish life in Poland. Formerly HIS 1580.
HIS 2149	Topics in European History	3	Topics in European history will vary each semester. Topics to be discussed may include, but are not limited to; Germans and Jews: From the Enlightenment to the Nazi Dictatorship, Anti-Semitism, Contemporary Europe, Spanish Civil War, and European Fascism. May be repeated for credit if topic is different.
HIS 2151	Nationalism & Minority Rights	3	Rise and spread of national movements in 19th-century Europe. Emphasis on the transition from liberal nationalism in the first half of the 19th century to ethno-linguistic nationalism in the final decades prior to World War I. Formerly HIS 4697.
HIS 2154	History of Modern Russia	3	This course examines the history of modern Russia from the second half of the nineteenth century to the collapse of the Soviet Union in 1992. Topics include the Great Reforms of the 1860s, the period of reaction and revolution in late Czarist Russia, the nationalities, and the collapse of the Russian Empire in 1917. The course also covers the period between the rise of Soviet Russia and the beginnings of the Cold War after World War II. Formerly HIS 1572.
HIS 2156	Hist of Soviet Russia1917-1992	3	This course will explore the history of the Soviet Union from the October Revolution of 1917 until the regime's sudden collapse at the end of 1991, focusing on the country's social, political and cultural history.
HIS 2159	History of Modern Germany	3	This course surveys the history of modern Germany from the age of Bismarck to the present.
HIS 2162	German&Jew:Enlight-Nazi Dictat	3	Explores the history of Jews in the German lands from the 18th century to the 1930s. The focus is on how German Jews grappled with the challenges of modernity, inventing new forms of religious life, cultural expression, and personal identities. Crosslisted with JHI 2162.
HIS 2202	Puritan New England	3	This course explores the origins, development, and decline of Puritanism in England and America from the mid-sixteenth century to the early eighteenth century. Students will trace the roots of Puritanism in the English Reformation and examine its transplantation to New England, focusing on theology, politics, and law. Key topics include the causes and consequences of the English Civil Wars; Puritan interactions with Natives, Africans, and Jews; the Salem witchcraft trials; and historical memory. Readings will draw from both primary and secondary sources.
HIS 2220	History of American Presidency	3	This introductory course examines the development and evolution of the American Presidency.
HIS 2225	Social Movements in Amer Hist	3	Examines social movements and protest politics of 19th and 20th centuries. The course explores the ideology, political structures, mobilization, identity, and empowerment strategies of movements such as abolitionist movement, women's movement, populism, the KKK, movements of the era of the great Depression, movements of the 1960s, and the New Right. A comparative survey of contemporary movements which erupted in 2011 in Europe, in the US, and the Middle East (including Israel), will conclude the survey. Same as COWC 1015 and SOC 2802.
HIS 2230	History of Hebrew	3	This course traces the history of Hebrew as a language of a people. It focuses on sociolinguistic and sociocultural elements of the language and its users. The course begins with the origins of Hebrew as a Canaanite language and of Tanakh. It then explores the status of Hebrew during the periods when Aramaic and Greek supplanted it as the most commonly spoken languages among Jews. This era led to the eventual death of spoken Hebrew, yet it continued to be used by the Jewish diaspora in various ways. Hebrew continued to develop during this time, giving rise to Byzantine poetry, the study of Hebrew grammar, and the invention of Hebrew vowel and Cantillation marks. Early Modern literary Hebrew represents the revival of Hebrew belles-lettres. The end of the course will be devoted to the revival of spoken Modern Hebrew and its status in todays world. The course does not involve a diachronic history of the language itself, but the ability to read primary sources in Hebrew is strongly preferred. Crosslisted with HIS 2230.
HIS 2231	History of New York City	3	The course explores the history of New York from colonial times to 21st century and its current character of a postindustrial city. The focus of the course is on New York as an exemplar of the emergence of the new urban culture. Accordingly, the material chosen will emphasize the following themes: the people of the city; its immigrants; its neighborhoods; the post-World War II economic, social, political, and cultural trends. We will conclude with the city's status as it faces the economic and political challenges of a globalizing world. Formerly HIS 2621.
HIS 2232	History of Jews of New York	3	Explores the history of the Jews of New York from their arrival in the 17th century through the late 19th century, the period in which New York became home to the world's largest Jewish community, to the post-World War II suburban exodos. It concludes by examining the decline and revival of Jewish neighborhoods in New York today.
HIS 2240	American Jewish History	3	An examination-through primary and secondary sources of the social, economic, religious and political history of the Jews in the United States within the contexts of American and Jewish history from the Colonial period to the beginning of the 21st century. Previously offered as HIS 2581.
HIS 2303	History of Palestine	3	The course will examine the history of modern Jewish settlement in Palestine under the Ottoman rule and the British Mandate, up to the establishment of the state in 1948. We will begin with a discussion of Zionism, its rise in the second half of the 19th century, in an era of secular nationalist movements, and an era marked by imperialism, colonialism, and the attendant theories of race. The growing popularity of Zionism resulted in the in Jewish settlement (Yishuv) in Palestine, where it encountered Palestinian Arabs and the British authorities. The material covered will reflect the history of British colonial politics, the social, economic, and ideological factors that shaped the emergence of the institutions of the Yishuv and of the Palestinians, and the political and national aspirations of the two communities.

HIS 2304	Modern Israel	3	While the course will address the topic of Israel and the Middle East and the Arab-Israeli conflict, our discussions will include topics of social, cultural, and political history of Israel since 1948 to the present. Starting with the nation building enterprise such as challenges of absorption and modernization of the state and society, we will also survey the rise of Palestinian national movement; the role of ethnicity in Israeli politics; global political developments as a factor in the changing Israeli economy and politics; the social and cultural divisions in Israel; and, finally, challenges facing Israel in the twenty-first century.
HIS 2503	New World Encounters	3	The arrival of Columbus's caravels to the Caribbean islands of Guanahani, Haiti and Cuba in the Fall of 1492 forever changed the course of world history. There could be no turning back for either the Europeans or the Americans. This course examines the nature of that encounter, beginning with Columbus and following it through the first 150 years of European exploration, conquest and colonization of the Americas. How did European travel writers make sense of the New World? How did they relate to the people that inhabited the West Indies? Where can we find the voices of the Native Americans? How did the encounter transform the Europeans and the Native Americans? What challenges do we as modern, western readers face when we attempt to understand the Columbine encounter?
HIS 2520	The Atlantic World	3	Before they became 'The United States' the American colonies belonged to a broader, multinational and heterogeneous collection of colonies which historians term 'The Atlantic World'.
HIS 2601	History of Law	3	This course examines the development of the law from an historical and sociological perspective. Through a combination of lecture and discussion of assigned readings, students will be introduced to the foundational documents of the law, their historical context, and their relevance to the evolution of human society. Students will be expected to recognize and comprehend major themes of private and public law, the relationship of subject and sovereign, rights of the individual, law and statecraft, and the philosophy of law.
HIS 2604	Piracy & the Nation State	3	This course will examine the history of piracy from the perspective of states' relationships with it. From the Roman Republic to present-day Somalia, how states have dealt with pirates off their shores teaches us a great deal about them: what their priorities and values are, the centrality of trade, what they consider 'criminal,' and how they wish to be perceived by other states. Whether as 'enemies of the human race' or useful adjutants to navies, perceptions of piracy have often defined how a state regards itself.
HIS 2607	International Crimes	3	This seminar explores the emergence and incidence of genocide and other crimes against humanity in the 20th century. Students will examine the history of modern international atrocity, including the mass killings of Armenians under the Ottoman Empire, atrocities of colonization, the Holocaust, and more recent examples in Cambodia, Rwanda and Darfur. Students will also consider how the international community has responded, and the emergence of international law after the Second World War.
HIS 2710	Coffee & Creation of Modernity	3	Coffee, one of the most valuable commodities traded on world markets, is ubiquitous in contemporary American culture - so much so that it's difficult to imagine that there was a time before coffee. But there was. Coffee wasn't introduced into the Ottoman Empire until the end of the fifteenth century and into Europe until the seventeenth century. The world at the end of the eighteenth century looked very different than it had at the beginning of the sixteenth, and coffee had much to do with it. The early modern world saw the birth of many aspects of culture and society that we consider 'modern,' including 'nightlife' in all its varieties; a bourgeois 'middle class;' 'consumerism,' a 'public sphere' and 'globalization.' Students will analyze the central role coffee as beverage, drug, commodity and artifact of daily life played in their creation and in the creation of what we have come to know as 'modernity.' Students will examine the introduction and reception of coffee in the late medieval Ottoman world and in seventeenth- and eighteenth-century Europe. Using journalistic, literary, and visual sources students will explore how multiple societies responded to the introduction of coffee - a novel, foreign and exotic drink - as well as how the eventual European thirst for coffee impelled the development of a system of colonialism or world trade. Drawing on approaches from disciplines including history, sociology and anthropology, students will trace how coffee, an everyday object, transformed various cultures into which it was introduced. Students will also consider how the act of drinking coffee took on divergent political and cultural symbolism in disparate contexts, including the Ottoman world, European nations, and colonial societies. Students will devote much of their time in class to analysis and close reading of primary sources, including texts of multiple genres as well as images. Of course, coffee drinkers and non-coffee drinkers are welcome.
HIS 2801	The Glory of Greece	3	Political, social, and cultural history of Greek civilization from its origins in the second millennium BCE to the period of Roman domination. The rise and fall of nations and leaders; daily life in ancient Greece; development of Greek literature, art, and philosophy; interaction of Greeks with other peoples of the ancient Mediterranean world (especially the Phoenicians, Persians, Jews, and Romans).
HIS 2821	Archaeology	3	An introduction to world pre-history, with an emphasis on the rise and fall of social and political complexity. Topics range from cave paintings and early farmers to the first civilizations in Mesopotamia, Egypt, China, and Central and South America.
HIS 2831	Roman Emp in Theory & Practice	3	This course examines various ways of understanding the figure of the Roman emperor, by focusing on the first emperor Augustus and one of his successors, Nero, and thinking a little about their subsequent reception. We will consider a range of textual and visual sources for the emperor, including poems, historical accounts, ruins, and coins, and place the emergence of the emperors within Rome's political, religious, and cultural traditions. Meets 'Cultures Over Time' (CUOT) requirement.
HIS 2909	Media Revolutions	3	This course surveys the history of media from the ancient world to the present. Taking 'media' in the broadest sense to encompass the full range of communications technologies, we will begin with the papyri scrolls of ancient Greece and move from there through the manuscript codex of the Middle Ages, the printed book of the age of Gutenberg, newspapers in the 18th and 19th centuries, radio and film in the 20th century, and the internet and social media of our own digital age. Several recurrent questions will frame our survey of media landscapes: How, to what ends, and in what institutional settings are particular media used? How do they affect modes of thinking? And what are the relations of different media to the various historical forms of religious, political, and economic power?
HIS 2913	Immigrant Nations: US & Israel	3	The course surveys the political, cultural, and social implications of large-scale immigration to the US and to Israel. Historically, not all immigrants were welcome, and both nations have a record of resorting to selectivity, or outright exclusion of the less desirable newcomers. Focusing on the 20th and 21st centuries, the course will examine the immigration waves to the US and to Israel, including pre-state Palestine. The following topics will be examined: the main waves of immigrants, the changing construction of racial hierarchies and social stratification, the patterns of absorption, and the privileged status granted to western Europeans in the US and to Ashkenazi immigrants in the pre-sate years and in Israel. Attention will be paid to the ethno-national character of Israeli nation, and its comparison to the universal, or pluralist character of the US. Under the impact of the Civil Rights revolution, the two last decades of the 20th century witnessed in both US and Israel the incorporation of the diverse populations under the umbrella of multiculturalism, a principle that recognizes and celebrates the cultural uniqueness of ethnicities and races. Significantly, however, contemporary views in the US of immigrants from Latin America and from Muslim nations, and of refugees and foreign workers in Israel reveal a persistent policy of inclusion and exclusion. These are compelling examples of current political debates making use of the language of nativism regarding the construction of national identities.
HIS 2914	History of Emotions	3	'What is an emotion?' That question, famously posed by William James in the late 19th century, has sparked wide-ranging debate among experimental psychologists, neuroscientists, philosophers, theologians, and literary scholars. This course addresses James's question by historicizing it. It begins by situating his approach within a long tradition of attempts to define the emotions or 'passions' as they were generally called until the 19th century from antiquity to the present. Then it turns to an exploration of how the changing conditions of modern life have altered both the character of emotional experience and the conventions governing its expression. Among the themes to which we'll pay particular attention are the growing demands of emotional self-control, the widening gap between children and adults, the shifting relations between private experience and public expression, and the advancing threshold of disgust. In the final section of the course, we will focus on how Americans have sought, over the last two hundred years, to control or, as it's now said, 'manage' three particularly intractable sets of emotions: homesickness and nostalgia; fear and anxiety; and anger and resentment. The course will conclude by exploring how the long-term project of emotional self-control is faring in the age of resurgent right-wing populism and social-media trolls.
HIS 3001	Ideas of History I	3	Why read or write history? How can we know about the past? What can historians' work tell us about the period in which they wrote? This course is designed to address these questions, which are fundamental to the discipline of history, by studying a selection of historians from antiquity to the Renaissance. Although we will see that these historians are often very different in their approaches to historical scholarship and historical narrative to contemporary historians, by examining their assumptions and practices, we will develop a privileged perspective on history writing today. Prerequisite(s): HIS 1101 or permission of instructor.
HIS 3002	Ideas of History II	3	Examines works by some of the most influential historians from the early 19th century to the present-e.g. Leopold von Ranke, J. Huizingua, Fernand Braudel, E. P. Thompson, and Natalie Davis- in order to survey the range of approaches to the study of the past.
HIS 4001	Senior Thesis	3	This course provides students with the opportunity to conduct independent research on a topic relevant to their history major, culminating in the production of a substantial written thesis that demonstrates critical thinking, research skills, and the ability to synthesize knowledge gained throughout their undergraduate studies.
HIS 4741	Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor.
HIS 4901	Independent Study	1 TO 3	See Academic Information and Policies section.
HIS 4930	Topics in History	3	In-depth coverage of selected topics. May be repeated for credit if topic is different.
HIS 4931	Topics:	3	In-depth coverage of selected topics. For upper-level history majors and others with permission of the instructor.
HON 4977	Honors Thesis: Proposal	1	
HON 4980	Honors Thesis: Preparation	4	Any student planning to write a senior honors thesis should speak with the director of the Jay and Jeanie Schottenstein Honors Program and with one or two potential mentors before the 10th Week of the Spring term of his Junior year. Application and preliminary proposal are due the first week of classes. Application and guidelines are available in the office of the director. If enough students write senior honors theses in related fields, a Senior Honors Thesis Mentoring Seminar may be set up under this course number. This course is offered for up to 4 credits. Prerequisite(s): HON 4977 may be taken as a prerequisite or corequisite.
HON 4981	Honors Thesis: Writing	4	Fully revised final draft is due by Monday of the 10th week of classes. Guidelines are available in the office of the director of the Jay and Jeanie Schottenstein Honors Program. Meet with the Yeshiva College Academic Dean. This course is offered for up to 4 credits. Prerequisite(s): HON 4977 may be taken as a prerequisite or corequisite.
JHI 1200	Classical Jewish History	2 TO 5	History of the Jews from the beginning of the Second Temple period until the end of the Talmudic period. (300 B.C.E. to 500 C.E.)
JHI 1300	Medieval Jewish History	3	The Jewish people from the Gaonic period (500 C.E.) to 1550.
JHI 1325	Med. Jewish-Christian Encnters	2 TO 3	
JHI 1342	Jews in Medieval Spain	2	This course explores the history of the Jews of Medieval Spain from the Almohad Invasion in the 12th Century until the Expulsion in 1492. We will look at a variety of primary sources with an emphasis on textual analysis and a focus on the ways the Jews were an integral part of Iberian society.
JHI 1400	Modern Jewish History	3	This course is a survey of the history of the Jews and Judaism in the modern age, from 1650 to the present. The course will examine the very different ways in which Jews reacted to modernity in Western, Central and Eastern Europe, the Ottoman Empire, America, and Israel.
JHI 1410	Early Modern Intellectual JHI	2 TO 3	Major themes in the intellectual history of the Jews in the early modern period.
JHI 1440	Jews in Eastern Europe	2 TO 3	
JHI 1450	Jews in Central Europe	2 TO 3	
JHI 1465	History of NYC's Jews	3	Explores the history of the Jews of New York from their arrival in the 17th century through the late 19th century, the period in which New York became home to the worlds largest Jewish community, to the post-World War II suburban exodus. It concludes by examining the decline and revival of Jewish neighborhoods in New York today.
JHI 1500	Jewish-Christian Encounters	2 TO 3	
JHI 1508	The Holocaust	2 TO 3	
JHI 1510	Modern Israel	3	
JHI 1516	Secularism&Religion in Israel	2 TO 3	This course will explore the conflict between religion and secularism in both the Zionist movement and the State of Israel. It will begin its examination with the rise of ibat Zion in the 1880s and end with the docudrama Od Nipagesh in contemporary Israel.
JHI 1520	History of the Synagogue	2 TO 3	
JHI 1545	History of Zionism	2 TO 3	
JHI 1620	Jewish Reactions-Antisemitism	2 TO 3	In-depth exploration of the history of antisemitism and anti-Judaism from antiquity to the 21st century, focused on the reactions and coping strategies of Jews throughout Jewish history.
JHI 1650	History of Jewish Ethics	2 TO 3	

JHI 1855	Conversion to & from Judaism	2 TO 3	This course examines medieval, early modern and modern Jewish conversion to Christianity, integrating methodological considerations with historical study. Topics include experiences and motivations of converts, attitudes of Jewish communities toward converts, Jewish communal responses to prospective conversion, reception of converts from Judaism by Christians, and the Converso experience. Familiarity with medieval and/or modern Jewish experience (JHI 1300 or JHI 1400) preferred.
JHI 1860	Vilna: A Jewish Culture Metrop	2 TO 3	
JHI 2103	Spanish Inquisition	3	Explores the history of the Spanish and Portuguese Inquisitions from multiple vantage points. The focus is on Jews and Conversos, the main targets of the Inquisition's persecution, and on the dynamics of crypto-Judaism in Iberia and the Americas. But we will also consider the experiences of other groups targeted by the Inquisition such as Moriscos, Protestants, free-thinkers, witches, and different groups of non-conformists. Previously offered as JHI 1336. Crosslisted with HIS 2103.
JHI 2162	German&Jew:Enlight-Nazi Dictat	3	Explores the history of Jews in the German lands from the 18th century to the 1930s. The focus is on how German Jews grappled with the challenges of modernity, inventing new forms of religious life, cultural expression, and personal identities. Crosslisted with HIS 2162.
JHI 2210	Classical Intellectual JHI	2 TO 3	
JHI 2217	The Jerusalem Temple	2 TO 3	
JHI 2225	Messianism in Jewish Antiquity	2 TO 3	This course will examine the foundations of the messianic idea by turning to the biblical, Second Temple, and rabbinic sources that attest this belief.
JHI 2230	History of Hebrew	3	This course traces the history of Hebrew as a language of a people. It focuses on sociolinguistic and sociocultural elements of the language and its users. The course begins with the origins of Hebrew as a Canaanite language and of Tanakh. It then explores the status of Hebrew during the periods when Aramaic and Greek supplanted it as the most commonly spoken languages among Jews. This era led to the eventual death of spoken Hebrew, yet it continued to be used by the Jewish diaspora in various ways. Hebrew continued to develop during this time, giving rise to Byzantine poetry, the study of Hebrew grammar, and the invention of Hebrew vowel and Cantillation marks. Early Modern literary Hebrew represents the revival of Hebrew belles-lettres. The end of the course will be devoted to the revival of spoken Modern Hebrew and its status in todays world. The course does not involve a diachronic history of the language itself, but the ability to read primary sources in Hebrew is strongly preferred. Crosslisted with HIS 2230.
JHI 2303	History of Palestine	3	The course will examine the history of modem Jewish settlement in Palestine under the Ottoman rule and the British Mandate, up to the establishment of the state in 1948. We will begin with a discussion of Zionism, its rise in the second half of the 19th century, in an era of secular nationalist movements, and an era marked by imperialism, colonialism, and the attendant theories of race. The growing popularity of Zionism resulted in the Jewish settlement (Yishuv) in Palestine, where it encountered Palestinian Arabs and the British authorities. The material covered will reflect the history of British colonial politics, the social, economic, and ideological factors that shaped the emergence of the institutions of the Yishuv and of the Palestinians, and the political and national aspirations of the two communities.
JHI 2400	Repentance	2 TO 3	
JHI 2420	Suffering and Evil	2 TO 3	
JHI 2430	Drashot-Eastern European Jewry	2	The history of East European Jewry through an analysis of the drashot of such leading rabbis and magidim as the Kli Yakar, the Dubner Magid, the Magid of Mezritsh, the Kelemer Magid, R. Yits?ak Nissenbaum, and the Esh Kodesh. Previously offered as JTP 1450.
JHI 2813	Arch of Titus	2	This course explores the shifting meaning and significance of the Arch of Titus from the Roman era to the present. It explores the image and symbolism of the Arch from various vantage points, from emperors and popes to Jews and Christians. Previously offered as JHI 12813H.
JHI 3210	The Jerusalem Temple	2 TO 3	
JHI 3220	Dead Sea Scrolls	2 TO 3	
JHI 3230	Religion & Politics Jew. Antiq	2 TO 3	
JHI 3510	Writing Jewish History	2 TO 3	
JHI 3840	Israeli Life & Soc Thru Cinema	2 TO 3	
JHI 4901	Independent Study	1 TO 3	Departmental approval required; final approval to proceed must be obtained from Academic Standards. May be taken three times for credit towards degree.
JHI 4930	Topics:	3	
JPH 4901	Independent Study	1 TO 5	Departmental approval required; final approval required from Academic Standards
JST 1253	Formation of the Talmud	2	The course will examine the various theories about the process of the formation of the Talmud, from the traditional view of Y. I. Halevy in his Dorot Harishonim to the contemporary academic models, and their impact on Talmudic interpretation.
JST 1255	Talmd. Perspectives in Context	4	Examine in-depth several talmudic passages and explore how the Talmud mediates between conflicting perspectives on a range of issues: life and death; the status of the fetus in the mother's womb and abortion; Torah and mundane life; the value of money and monetary theory; environmental ethics and utilitarianism; love and sexuality; others. Historicize these traditions and analyze them in both their broader late antiquity and contemporary contexts.
JST 1265	Rereading Narratives of Talmud	4	This course will examine in-depth several illustrative narrative passages in the Bavli through the lens of the evolution of the major critical schools of the past century and contrast them with the interpretation approach of selected medieval scholars.
JST 1270	Family & Gender in the Talmud	3	This course will explore the view of the Talmud towards gender and family. We will examine passages dealing with role of women, marriage, and familial obligations, as well as sugyot dealing with gender ambiguity and the various categories of gender.
JST 1275	Contemporary Talmud	3	This course will analyze and contextualize perspectives of the Talmud about important aspects of contemporary life such as life and death; Torah and mundane life; currencies and monetary theory; environmental ethics and utilitarianism; income inequality and social responsibility; among others.
JST 1300	Med Jewish Bibl Interpretation	4	
JST 1640	Biblical Archeology	3	
JST 2215	Temple Arch in Jud & West Th.	4	This course explores the relation between temple architecture and its various representations and the development of religious values and social identity in Jewish and Western tradition.
JST 2430	Responses of Jew Comm-Covid-19	4	This course examines a variety of responses offered by the Jewish community to COVID-19 in the realms of both ritual and theology, considering new developments that build upon precedents in novel and enduring ways.
JST 2665	Ethics in Artificial Intel	3	An introduction to the ethical issues inherent in the technologies spawned by big data and artificial intelligence. Includes an overview of various approaches to ethics in general and specifically the ethics of relevant technologies. The student will acquire the tools to deal with ethical questions.
JST 4931	Topics:	2	
JTP 1150	Biblical Responses to Hurban	1 TO 4	The destruction of the First Temple was a theological catastrophe, in addition to a social and demographic one. We will analyze the responses to this event in biblical literature, including prophetic, poetic, historical, and lament texts.
JTP 1214	Suffering and Evil	3	
JTP 1225	Messianism in Jewish Antiquity	1 TO 3	
JTP 1270	Remembering Comm Catastrophe	2	This course will examine the Jewish attempts to commemorate the communal catastrophes they experienced from the destructions of both Temples in ancient times through the twentieth century. We will analyze the specific particularity of the response to each of the historical events we will study - the destructions of the Temples (586BCE and 70CE), the Crusades (1096), the massacre at Blois (1171), other medieval Jewish persecutions, the Chmielnicki massacres (1648-49) and its aftermath, and the Holocaust - while attempting to discover the overarching paradigms, trans-temporal patterns, and fundamental archetypes that these responses had in common with one another.
JTP 1300	Bib Interpretation & Int Free	2	For a few years around 1150, Rouen, France, was home to two of the greatest biblical interpreters in Jewish history: Shmuel ben Meir, Rashbam, and Abraham ibn Ezra, a native of Spain who had travelled around Europe for the past 20 years. we know that they sharply disagreed about just how free and independent a Jewish reading of the biblical text could be. In this course, we will take as our focal point the controversy over the meaning of one verse, 'it was evening and it was morning of the first day' (Genesis 1:5), in which these issues came to a head, and we will also study selections from the rest of their writings which illuminate their philosophical approaches and textual methods. We will investigate the nature of the traditions in Ashkenaz that Rashbam was utilizing and reacting to and of the theorists of biblical interpretation who inspired Ibn Ezra. Other questions to be considered include: How does Jewish practice affect, or not affect, the ways of reading the Torah? Should it? How did these interpreters affect later thinkers? What are the implications of the medieval views today? Which can provide useful models for our own Torah study?
JTP 1310	Philosophy of Aggadah	2	This course will examine aggadot through the lens of the critical schools and the various traditional schools throughout the ages. We will start with a definition of aggadah moving on to analyzing narratives and the various schools, interpretations, and methods.
JTP 1350	Death, Dying, & the Good Life	2	Examines Jewish rituals of death and dying; ideas of connection between the living and the dead, including dreams and intercessory prayer; Jewish visions of hell; and Jewish Ethical Wills as a lens for considering Jewish ideas about what constitutes the Good Life.
JTP 1360	Philosophy of Maimonides	0 TO 3	
JTP 1362	Maimonides and His Enemies	3	
JTP 1363	Themes in Ramban	2	Major themes in Ramban's commentaries, thought, and communal activities These include his attitude toward Rambam, the Barcelona disputation, his view of miracles and sacrifices, the Land of Israel, the messianic age, ta'amei ha-mitzvot, and the status of Aggadah.
JTP 1424	Divine Will in Philosophy	1 TO 3	This course explores several issues relating to the divine will from a philosophical perspective: Divine Will and Creation, Divine Determinism and Free Will, Divine Command Theory, Prayer and Theurgy, and The Freedom of God's Will.
JTP 1430	Thought of Rabbi Soloveitchik	3	
JTP 1465	Rav Kook	1 TO 3	
JTP 1468	Maharal	1 TO 3	This course will examine the thought of the sixteenth-century Talmudic scholar Maharal. It will include discussions of his approach to prayer, Tanakh, and Aggada.
JTP 1479	Malbim and Modernity	1 TO 3	Malbim lived at the crossroads of various crises for the newly emancipated Jews of Europe as the intellectual movements of modernity erupted onto the scene-we'll explore this context in conjunction with Malbim's ambitious ideology.
JTP 1505	Jewish Martyrdom	1 TO 3	This course will survey both the concept and actions of Kiddush Hashem (Jewish martyrdom) over the course of nine centuries. We will analyze how successive generations of Jews both followed and deviated from the biblical and rabbinic traditions of martyrdom.
JTP 1510	Jewish Historical Thought	1 TO 3	An exploration of Jewish thought through writing about Jewish history from antiquity to the modern era.
JTP 1650	History of Jewish Ethics	1 TO 3	
JTP 1765	Confronting Thodicy	1 TO 4	
JTP 2320	Idea of Exile	1 TO 3	Considers Jewish ideas of exile beginning biblically, including role of exile in the covenant with Abraham and as punishment; classical Jewish responses to exile; medieval Jewish understandings of exile (and expulsion) and responses to Christian theological claims; and modern Jewish ideas about exile, including Reform and Zionist.
JTP 2420	Suffering and Evil	1 TO 3	
JTP 3350	Intro to Kabbalah	1 TO 3	
JTP 4930	Topics:	2 TO 3	
JUD 1400	Introduction to Laws & Customs	1 TO 4	Jewish laws, customs, and concepts; their history and development.
JUD 1449	Laws & Customs: Marriage	1 TO 4	This course covers issues and laws relating to dating and marriage-for advanced students.
JUD 1451	The Shabbat	1 TO 4	The Sabbath-for elementary-level students.
JUD 1490	Interpersonal Relationships	1 TO 4	This course addresses fundamental questions and overarching themes in Halaka and Human Relations; Is ethical the same as Halachic? Do the laws of being adam lchavero differ from ben adam Makom? What is the mandate of chesed? Through text, rich discussion, and reflection, students learn about the obligations Jewish law places upon the relationships between people. Similarly the course covers how the Torah regulates our interpersonal behavior through prohibitions, how we understand the prohibition of loshon hara in the contemporary culture, and how we understand and apply the definition of tzedaka.
JUD 4741	Internship	2	
LAT 4901	Independent Study	1 TO 2	Meet with the Yeshiva College academic dean.

MAT 1160	Precalculus	3	Number systems, functions, equations, and inequalities; algebra of polynomials, exponentials, and logarithms; analytic geometry of lines and circles; vectors, trigonometry, and complex numbers. (lecture: 3 hours; recitation: 2 hours) Prerequisite(s): two years of high school mathematics and placement by examination.
MAT 1400	Problem Seminar - Fundamentals	0	Students will develop problem solving skills necessary for Fundamentals of Calculus (MAT 1410).
MAT 1401	Problem Seminar I	0	Students will develop problem solving skills necessary for a mastery of calculus 1.
MAT 1402	Problem Seminar II	0	This is a recitation class for MAT 1412 Calculus II. The instructor will reviewed the course material and will help students do their homework assignments and solve other related problems.
MAT 1403	Problem Seminar III	0	Student will develop problem solving skills necessary for mastery of multivariable calculus.
MAT 1410	Fundamentals of Calculus	4	This course is designed for students majoring in biology, pre-health sciences, or any other major except mathematics, computer science, physics, engineering, chemistry, and physical sciences. Course topics include functions, limits, derivatives, and integrals, and problem-solving methods, including optimization and related rates problems. Emphasis is placed on developing and interpreting models from a variety of disciplines, on analyzing data, and on graphing and numerical computations. These knowledge and skills are essential to today's life science workforce and researchers. (lecture: 3 hours; recitation: 1 hour). Prerequisite(s): Pre-Calculus, high school Algebra and Trigonometry.
MAT 1412	Calculus I	4	This course covers limits, continuity, derivatives; applications to graphing, maxima and minima, and related rates; mean value theorem; integration, fundamental theorem of the calculus, integration by substitution. Prerequisite(s): Online placement test given before the semester.
MAT 1413	Calculus II	4	This course is a continuation of Calculus I, covering methods of integration, area, moments, volume. Indeterminate forms, improper integrals, sequences and series. Parametric equations, arc length and polar coordinates. Prerequisite(s): MAT 1412.
MAT 1504	Discrete Math and Applications	3	The course will introduce students to a variety of topics in discrete mathematics that, that is finite or non-continuous mathematics. Discrete mathematics is particularly useful for students of computer science as is invaluable in the study of algorithms and data structures. On completion of this course, students will master the fundamentals of discrete mathematics. In subsequent courses, they will apply the basic methods of discrete mathematics to Computer Science- design and analysis of algorithms, computability theory, computer systems, etc. (lecture: 3 hours; lab: 2 hours) Prerequisite(s): three years of high school mathematics; MAT 1412 and 1413.
MAT 1510	Multivariable Calculus	4	This course covers vectors, vector functions and curves; functions of several variables, partial derivatives; multiple integrals, Jacobians; vector fields, line and surface integrals; theorems of Green, Gauss, and Stokes. Limits and continuity in Euclidean spaces; partial derivatives, gradient, and chain rule; maxima and minimal with constraints; multiple integrals, cylindrical and spherical coordinates; vector calculus. Prerequisite(s): MAT 1413.
MAT 1520	Advanced Calculus I	3	This course covers real numbers, limits, intrinsic properties of continuous functions and differentiability. Prerequisite(s): MAT 1510.
MAT 1521	Advanced Calculus II	3	This course covers point-set topology, metric spaces, convergence in metric spaces, uniform convergence, curves and surfaces, implicit and inverse function theorems and Riemann integration. Prerequisite(s): MAT 1520.
MAT 1540	Functions of Complex Variable	3	This course covers analytic functions, Cauchy Riemann equations, Cauchy integral formula, residue theory and conformal mappings. Prerequisite(s): MAT 1510.
MAT 2105	Linear Algebra	3	Systems of linear equations, Gaussian elimination, matrices, matrix algebra; vector spaces, linear transformations, similarity; inner product spaces; determinants; eigen-values and eigenvectors, diagonalization; quadratic forms; canonical forms; complex vector spaces, spectral theory; applications. Prerequisite(s): MAT 1412.
MAT 2168	Elementary Number Theory	3	This course covers properties of integers, Euclidean algorithm, unique factorization, arithmetic functions, perfect numbers, linear and quadratic congruences and public-key encryption. Prerequisite(s): Three years of high school mathematics.
MAT 2170	Topology	3	This course will cover point set topology; metric spaces and topological spaces, compactness, connectedness, continuity, extension theorems, separation axioms, quotient spaces, topologies on function spaces, and Tychonoff theorem. Prerequisite(s): MAT 1510.
MAT 2172	Differential Geometry	3	This course covers classic differential geometry of curves and surfaces in space; intrinsic geometry of a surface: tensor calculus and differential forms with applications to Riemannian geometry in n dimensions; and differential and Riemannian geometry in the large.
MAT 2215	Modern Algebra	3	Basic concepts of an algebraic system, a sub-system, a factor-system, an isomorphism and a homomorphism. Examples and initial results from the theory of groups, rings, and fields. Prerequisite(s): MAT 2105 or permission of the instructor.
MAT 2461	Probability Theory	3	This is an introductory course to the mathematical theory of randomness. Topics to be discussed include combinatorics, Discrete and continuous sample spaces; density and distribution functions of random variables; expectation and variance; independence and conditional probability; law of large numbers; central limit theorem; generating functions; random walk and ruin problems (See STA 2461.) This course is semi-online. Prerequisite(s): MAT 1510 may be taken as a prerequisite or corequisite.
MAT 2462	Mathematical Statistics	3	This is an introductory course to Mathematical Statistics including discussion of sample and population, sampling distributions, point estimators (method of moments, maximum likelihood) and their properties, confidence intervals, test of hypotheses, simple and multiple linear regression, and analysis of categorical data. The course assumes a good understanding of calculus, linear algebra, and probability theory. (See STA 2462.) Prerequisite(s): MAT 2461.
MAT 2601	Ordinary Differential Equation	3	Classification of differential equations; existence and uniqueness of solutions; initial-value problems, boundary value problems; power series methods, integral transforms; numerical algorithms and error estimation; topological methods. Prerequisite(s): MAT 1413.
MAT 2611	Partial Differential Equations	3	Solution of parabolic, hyperbolic, and elliptic equations; initial and boundary value problems arising in physical situations such as heat conduction, wave propagation and gravitational potential; method of characteristics, separation of variables, Laplace and Fourier transforms. Prerequisite(s): MAT 1510, MAT 2601.
MAT 2651	Numerical Methods	3	Finite difference calculus; numerical solution of differential equations and linear systems of equations; iterative methods; computation of eigenvalues and eigenvectors. Prerequisite(s): MAT 1510, MAT 2105 and familiarity with a programming language.
MAT 2901	Mathematics of Finance	3	Discrete models for options, pricing derivatives, continuous stock price models, Brownian motion, the Black-Scholes formula, the Black-Scholes differential equation, hedging options, dynamic programming, bond price models, yield curves, forwards and futures, Keynes interest rate parity formula. Prerequisite(s): Familiarity with differential equations.
MAT 4741	Math Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor.
MAT 4901	Independent Study	3	Meet with the Yeshiva College Academic Dean.
MAT 4930	Topics:	3	Selected topics may include analysis, algebra, geometry, topology, and applied mathematics. May be repeated for credit if topic is different.
MAT 4933	Research Seminar	3	Students will learn background material on topics chosen by the instructor (for example, a branch of pure mathematics, or an applied area such as the mathematics underlying machine learning or cryptography), and pursue research guided by the instructor on these topics. Presentations will be made by the instructor and invited outside experts, and then later also by the students themselves at the end of the semester. Prerequisite(s): MAT 1510 and MAT 2105.
MUS 1013	Music and the World Wars	3	This course shows how 20th century deviations from traditional Western musical parameters defined European and American art music not only as falling within the canonic continuum of development and innovation, but simultaneously as an eclectic collection transformed and considerably influenced by the World Wars and by non-Western aesthetic techniques, philosophy, and practice. Course methodology incorporates studies of the musicological-societal forces that shape the examined music's background, composition, reception, and place in history with relevant analysis drawn from cultural and social history.
MUS 1014	American Musical Cultures	3	American Musical Cultures will examine the relationship between a culture, or in many cases a subculture, and its music. What makes something American? What makes music American? Does understanding the music of a society provide insights into its culture? Through readings, video, assigned listening, and class discussion, we will explore American diversity. We will find that music demonstrates both inclusion and individuality, stressing teamwork, but never at the expense of self-identity.
MUS 1018	Aesthetic Revolutions	3	This exploratory course in music philosophy predominantly concerns the 19th century-an era of significant revolutions in society, and thus in music and the arts-and early modernism. By exploring this era's remarkable music, philosophy, and art, we will develop critical appreciation, reading, and reasoning skills. We will also learn how this era's major interrelated disciplines, the so-called sister arts (music, theater, ballet, literature, poetry, visual art, etc.), built the foundations for 20th century artistic thought and practice, an area of study you may pursue further in Music and the World Wars (COWC/MUS 1013), a course offered by the music department.
MUS 1019	The Late Style	3	As listeners and readers, we yearn to understand the works of art that help define our worldview. We pose and explore the fundamental questions: do great artists develop linearly, evolving continuously from earliest works through a middle period and ultimately to a late period? And, more comprehensively, does the creative impulse operate multi-dimensionally, searching for outlets in nuanced ways where artistic temperaments intersect with the cultural environment? Starting with the final study of the great polymath critic, Edward Said, this course will examine the final career trajectory of pianist Glenn Gould, followed by the late period works of Bach, Beethoven, Schubert, Strauss, and Stravinsky. The overarching concern is to determine if there is a definable unity among these (i.e., along what parameters are late styles understood) or if these late styles constitute fragmented elements. As Edward Said wrote in support of a late style, it is a moment when artists, who are fully in command of their medium, nevertheless abandon communication with the established social order of which they are a part and achieve a contradictory, alienated relationship with it. Late works, accordingly, are a form of exile from their own milieu.
MUS 1024	Verdi and Shakespeare	3	This course will examine three works: Macbeth, Othello, and Shakespeare's Falstaff plays, Henry IV, Parts 1 and 2, and the Merry Wives of Windsor. These plays are the basis for Giuseppe Verdi's extraordinary operas, Macbeth, Otello, and Falstaff, which the course will examine for their contributions to opera and the ways in which they intersect with, and meditate upon, Shakespeare and his legacy.
MUS 1111	Sense of Music	3	This course examines Western musical works, composers, and aesthetics from antiquity to the present. Central to our curriculum are the questions: What are musicâ€™s meanings? & How can music communicate meaning? Through the process of discovering the varied answers to these questions, we will learn about music history, music philosophy, composer biographies, and how aesthetic concerns change across time and place. We will also explore the elements of tonal music grammar to give you a basic understanding of how Western music operates.
MUS 1117	Introduction to Piano I	3	This course teaches beginner students how to play the piano, and to read and perform rhythm, meter, notation on treble and bass clefs, scales, chords, melody, and harmony with a degree of fluency.
MUS 1118	Introduction to Piano II	3	This course teaches advanced beginner piano students how to read and perform rhythm, meter, notation, treble and bass clefs, scales, chords, melody, and harmony with a degree of fluency that builds on the skills developed in Introduction to Piano I. To further develop facility at the piano, students will continue studying a repertoire of appropriate pieces, as well as the fundamentals of keyboard technique including hand positions, finger exercises, and major and minor scales in contrary and parallel motion. Importantly, students will learn how to practice efficiently and with purpose. Prerequisite(s): MUS 1117.
MUS 1225	Music Production I	3	This course provides a conceptual and practical understanding of how to produce music in a Digital Audio Workstation (DAW). Students will be introduced to creating and organizing a session, signal flow, recording MIDI, effects patching, and fundamental editing and mixing practices. This includes an overview of various synthesizers, samplers, drum machines, and digital instruments. Hands-on lab projects combine these skills with sound design and music theory concepts to create original music.
MUS 1350	Baroque & Classical Music Hist	3	This course covers the transition from the late Baroque to the Classical era, and examines the various developments that recontextualize 18th century aesthetics in the 19th century's Romantic idiom. Musical practices in the 19th and 20th centuries, beginning with Beethoven's monumental and universal works and their influence on later generations; the increase in chromaticism through the romantic era, the breakdown of tonality, and the harmonic-contrapuntal techniques and structural principles of 20th-century music; Western music from Beethoven to Adams. Prerequisite(s): MUSI 1111 or permission of instructor.
MUS 1351	Romantic & Modern Music Hist	3	This course covers the transition from the late Baroque to the Classical era, and examines the various developments that recontextualize 18th century aesthetics in the 19th century's Romantic idiom. Musical practices in the 19th and 20th centuries, beginning with Beethoven's monumental and universal works and their influence on later generations; the increase in chromaticism through the romantic era, the breakdown of tonality, and the harmonic-contrapuntal techniques and structural principles of 20th-century music; Western music from Beethoven to Adams. Prerequisite(s): MUSI 1111 or permission of instructor.
MUS 1352	Late Romantic & Modern His	3	Musical practices in the 19th and 20th centuries, beginning with Beethoven's monumental and universal works and their influence on later generations; the increase in chromaticism through the romantic era, the breakdown of tonality, and the harmonic-contrapuntal techniques and structural principles of 20th-century music; Western music from Beethoven to Adams.

MUS 1353	Early Modern Theories of Music	3	This course explores the development of music theory from the Renaissance to the present day, deconstructing the discipline as a series of ideological battles over music's primacy in both sacred and secular European and ultimately American societies.
MUS 1354	Film Music Studies	3	While the primary aim of Film Music Studies is to stimulate students' critical and aesthtic awareness of film music, the course proposes that the study of film music can enhance our analysis of and appreciation for classical music, the Western music tradition from which so many film scores emerge and the source for countless movie soundtracks.
MUS 1371	Rock, Rhythm & Blues	3	This course examines the development of American popular, vernacular music, especially in the 20th century, with attention to the special, and very American, syncretism of European and African musical cultures. Our subject is large and complex; it may be viewed through many lenses: ethnomusicological, sociological, historical, economic, and political. To gain full understanding of popular music today, one must to know its roots, the musical styles from which todayâ€™s popular music has grown out of that of our cultural past. The course only touches on jazz, though jazz certainly originated as popular music for dancing. Instead, we will be examining those musical styles that do not require sophisticated musical understanding either of performers or of listeners, those that are modern equivalents of the folk music traditions that have always nested in human communities.
MUS 1381	History of Jazz and Blues	2 TO 3	This course explores the history of American music through various styles under the umbrella of jazz, aiming to define jazz by its historical characteristics. Special attention is given to the Blues, both as a distinct style and as a major influence on 20th-century music, especially in North America. The course examines American cultures as they evolve historically such as the Creoles, teenagers during the rise of radio, Harlem as a center of Black culture, and the shift from agrarian to industrial urban society. Students engage with the works of influential figures like Armstrong, Ellington, Parker, Miles Davis, and Coltrane, and study key trends through readings, videos, and music. Marshall Stearnsâ€™ The Story of Jazz helps illustrate how slavery shaped music differently across regions like Cuba, Brazil, Louisiana, and Texas. The course also covers significant Southern U.S. history and the cross-cultural blending of African, Afro-American, and Euro-American genres post-emancipation, which led to uniquely North American music in the 20th century. Jazz styles studied in depth include traditional, swing, bebop, modal, and free jazz, with emphasis on recordings by innovative performers.
MUS 1391	Three Jazz Giants	3	MUS 1931 and 1932 are upper level courses, seminars, that allow students to consider a discrete musical topic in at least two ways: both historically and also systematically (that is, by the consideration of a topic as within a variety of semi-independent fields, including acoustics, aesthetics, psychology, pedagogy, sociology, and music theory). Most musicology topics require skill in music reading and some experience in musical analysis, but this term's topic is different from classical topics in that the primary basis of jazz is improvisation, which is often not written in musical notation, except after the fact. But we will not ignore the written examples of jazz compositions and group arrangements.
MUS 2011	Elementary Ear Training I	1	Laboratory course designed to help students master the skills covered in Diatonic Harmony. Emphasis on the development of relative pitch memory and recognition of interval, chord, and chord inversion. Students learn sight-singing from simple melodies and counterpoints, and practice elementary skills of chordal accompaniment at the keyboard. Corequisite(s): MUS 2111. Previously offered as MUS 2111L.
MUS 2012	Elementary Ear Training II	1	Laboratory course designed to help students master the skills covered in Diatonic Harmony. Emphasis on the development of relative pitch memory and recognition of interval, chord, and chord inversion. Students learn sight-singing from simple melodies and counterpoints, and practice elementary skills of chordal accompaniment at the keyboard. Prerequisite(s): MUS 2111; and MUS 2112 may be taken as a prerequisite or corequisite. Previously offered as MUS 2112L
MUS 2105	Music Fundamentals	3	This course teaches students to read music and understand basic concepts in musical grammar and organization.
MUS 2111	Music Theory I	3	This course offers a comprehensive review of intervals, diatonic scales, key signatures, the circle of fifths, and basic chord spelling in root position and inversion. Following this review, the course continues with a study of counterpoint. Prerequisite(s): MUS 2105 or with permission. Corequisite(s): MUS 2011.
MUS 2112	Music Theory II	3	This course offers a comprehensive review of intervals, diatonic scales, key signatures, the circle of fifths, and basic chord spelling in root position and inversion. Following this review, the course examines diatonic harmony and its applications in analysis and composing. Prerequisite(s): MUS 2111 and ability to read music. Corequisite(s): MUS 2012; or an ear training laboratory determined by placement exam at the beginning of the semester.
MUS 2113	Music Theory III	3	This course offers a comprehensive review of diatonic harmony and counterpoint. Following this review, the course examines chromatic harmony and its applications in analysis and composing. Prerequisite(s): MUS 2112.
MUS 2114	Music Theory IV	1	This course offers a comprehensive review of diatonic and introductory chromatic harmony and counterpoint. Following this review, the course examines advanced chromatic harmony and its applications in analysis and composing. Prerequisite(s): MUS 2113.
MUS 2120	Introduction to Composition	1	In Introduction to Composition, students who have already achieved a level of competence in theory will undertake their own personal projects with guidance from the instructor. Projects may include an original work or an arrangement that will challenge the student to apply what he has learned about voice leading, continuity and contrast, and form. Available forums range from YU's a cappella groups to a chamber ensemble or even solo piano. Prerequisite(s): MUSI 2112 or permission of the instructor.
MUS 2121	Introduction to Composition II	1	In Introduction to Composition II, students who have already achieved a level of competence in theory will undertake their own personal projects with guidance from the instructor. Projects may include an original work or an arrangement that will challenge the student to apply what he has learned about voice leading, continuity and contrast, and form. Available forums range from YU's a cappella groups to a chamber ensemble or even solo piano.
MUS 3460	Performance: Chamber Ensemble	2	In Chamber Ensemble, students form small collaborative groups that learn classical repertoire selected by them in close consultation with their instructor. Student groups rehearse weekly under instructor supervision with the goal of performing what they have mastered at the semester's conclusion. Open to any instrument. To join, a student must be able to read music and demonstrate basic proficiency on his instrument.
MUS 3461	Performance: Chamber Music	1	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. See the music adviser before registering.
MUS 3462	Performance: Chamber Music	1	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. See the music adviser before registering.
MUS 3463	Performance: Chamber Ensemble	1	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. See the music adviser before registering.
MUS 3464	Performance: Chamber Ensemble	2	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. See the music adviser before registering.
MUS 3465	Performance: Jazz Ensemble	2	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. See the music adviser before registering.
MUS 3466	Performance: Jazz Ensemble	1	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. See the music adviser before registering.
MUS 3467	Jazz Ensemble	1	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. By audition with the instructor.
MUS 3468	Performance: Jazz Ensemble	2	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. By audition with the instructor.
MUS 3469	Performance: Jazz Ensemble	2	Music of selected composers rehearsed and analyzed to develop performance skills, an awareness of musical styles, and an approach to musical interpretation. By audition with the instructor.
MUS 4111	Private Study/Applied Music	1 TO 3	Vocal or instrumental music lessons arranged by the music staff. Literature, materials, techniques. A maximum of 4 credits may be taken in such courses. Replaces 4901, 4902 found in other disciplines. Course Fee - on an individual basis, dependent on extent and nature of services provided. Prerequisite(s): permission of the cluster adviser.
MUS 4901	Independent Study	1 TO 3	Meet with the Yeshiva College academic dean and music advisor. May be repeated for credit.
MUS 4930	Topics in Music	3	Music topics will differ each semester and may include, but are not limited to, History of Opera, Biblical Texts in Western Music, History of American Music, Jazz and the Blues, and The Development of the Orchestra. May be repeated if topic is different.
NES 1026	History of the Alphabet	3	
NES 4930	Topics in Near Eastern Studies	3	Topics in Near Eastern Studies will vary each semester. May be repeated for credit if topic is different.
PHI 1011	Introduction to Philosophy	3	An introduction to the problems and arguments of philosophy.
PHI 1100	Logic	3	Methods and principles of symbolic logic.
PHI 1214	Suffering and Evil	3	An examination of the nature and meaning of suffering and evil, using (i) classical Jewish sources, (ii) Western classics, and (iii) the resources of contemporary analytic philosophy.
PHI 1220	Philosophy of Language	3	Theories of meaning, reference, and truth.
PHI 1320	Theories of the Mind	3	Examination of rival conceptions of mind and self, and of differing explanatory models for human behavior.
PHI 1360	Theory of Knowledge	3	Fundamental issues concerning the nature of knowledge, justification, and belief.
PHI 1400	Philosophy of Science	3	Fundamental issues concerning the nature of science, e.g., What is a law of nature? What is evidence? How are scientific hypotheses confirmed?
PHI 1401	Great Political Thinkers	3	Survey of political philosophers in the Western tradition from Plato and Aristotle through Machiavelli, Hobbes, Locke, Hegel, and Marx to Rawls. Previously offered as PHI 3401.
PHI 1550	Metaphysics	3	Current metaphysical problems, with topics to be selected from the following: nature of metaphysical reasoning, problems of language and reference, mind-body problem, determinism and free will, causality, personal survival, time, and the philosophical concept of God.
PHI 1600	Ethics	3	The problems of relativism and subjectivism; utilitarian versus deontological approaches to moral concepts; contemporary moral dilemmas.
PHI 1612	Ethics and Character	3	The relevance of virtue (i.e., character formation, the good life, and the like) to ethical theory (as opposed to ethical theory which focuses exclusively on duty or utility); and the concrete ways that ethical theory expresses the ideas and ideals of particular cultures. Same as CUOT 1012.
PHI 1710	Religion and Philosophy	3	Examination of differing conceptions of the role of reason in the religious life and of major philosophic arguments concerning the existence of God, divine attributes, and the meaning of religious language.
PHI 2170	Ancient & Medieval Philosophy	3	From the pre-Socratics to Aquinas, with emphasis on Plato, Aristotle, Stoics, Epicureans, Augustine, Boethius and Aquinas.
PHI 2405	Classical Political Theory	3	This course reawakens the great debates which shaped our political heritage. It seeks to give students a taste of in-depth analysis of the most influential period in the history of political thought: Greece, and particularly Athens of the 5th and 4th centuries BCE. In addition, it is useful to form some contrasts with the political thought of other cultures. Accordingly, this course surveys the growth of political thought in the West, including an introduction to the non-Greek components of our political heritage; Hebrew, Christian, and Roman political thought. Crosslisted with POL 2405.
PHI 2410	Modern Political Theory	3	Political thought in the 17th to 19th centuries. Theories of rights and property; moral agency; theories of state, justice, and civil society; including reading from English, French, and German thinkers (such as Hobbes, Locke, Rousseau, Kant, Hegel and Marx).
PHI 2420	Modern Philosophy	3	Continental rationalism and British empiricism, from Descartes to Kant.
PHI 2532	Philosophy of Art	3	What is a work of art and what are the criteria for evaluating its goodness? These questions will be answered by reading the works of some classic and recent philosophers. We will also read some contemporary philosophers' discussions of current issues such as the status of fakes, of photographs, and of ugliness and horror, and the relation of art to morality. Previously offered as PHI 1800.
PHI 2560	Philosophy in 19/20th Century	3	Emphasis will be on existentialism, pragmatism, and varieties of analytic philosophy, including ordinary language philosophy, logical positivism, and later analytic approaches. Authors will be selected from among Kierkegaard, Nietzsche, James, Frege, Russell, Moore, Wittgenstein, Ayer, Ryle, Quine, Kripke, and Lewis.
PHI 2740	Science and Religion	3	This course examines: differing models for understanding the relationship between science and religion.; the methods of science and the methods of religious thought; options for approaching ostensible conflicts between science and religion; questions about divine activity, miracles, and related topics; the impact of contemporary science on arguments for religious belief.
PHI 3100	Theories of Justice	3	Prevailing theories of justice including the social contract tradition, utilitarianism, libertarianism, and socialism.

PHI 3402	Philosophy of Law	3	Fundamental questions about the nature and scope of law, grounds for legal obligation, and the justification of particular jural practices, such as punishment.
PHI 4901	Independent Study	1 TO 3	This independent study course provides the student with the flexibility to learn more about a topic of interest outside of the formal course setting. Course credit is determined in advance of the course, by the instructor with the approval of the program director. May be taken three times for credit towards degree.
PHI 4930	Topics in Philosophy	3	Topics in philosophy will vary each semester. Topics to be discussed may include, but are not limited to: The New Atheism, Paradoxes, Logic and Theism, Free Will, Extracting Arguments from English Prose. May be repeated for credit if topic is different.
PHI 4931	Advanced Topics in Philosophy	3	Topics in philosophy will vary each semester. Topics to be discussed may include, but are not limited to: Axiomatic Set Theory, Modal Logic, Computability & Logic, Kant's Critique of Pure Reason, Rawls' Theory of Justice, Epistemology of Judaism, Metaphysics of Judaism. The Meaning of Life, Philosophy of Love. May be repeated for credit if topic is different.
PHY 1031	Introductory Physics I Lec	3	Two-semester, algebra-based course, taken by students who intend to major in biology, chemistry, and the health professions. Topics covered: kinematics and dynamics of the particle and rigid bodies, conservation laws, momentum, energy and angular momentum, oscillations, waves, fluids, thermodynamics, optics, electromagnetism, modern physics. Corequisite(s): PHY 1033 and PHY 1031T.
PHY 1031T	Introductory Physics I Rec	0	Practical applications and examples to complement PHY 1031. Corequisite(s): PHY 1031.
PHY 1032	Intro Physics II Lecture	3	This course is a continuation of introductory physics lecture, covering electricity, magnetism, optics, and modern physics with an emphasis on conceptual understanding and problem-solving. Prerequisite(s): PHY 1031. Corequisite(s): PHY 1034 and PHY 1032T.
PHY 1032T	Intro to Physics II-Recitation	0	Recitation for PHY 1032.
PHY 1033	Introductory Physics I Lab	1	Algebra-based course, taken by students who intend to major in biology, chemistry, and the health professions. Topics covered: kinematics and dynamics of the particle and rigid bodies, conservation laws, momentum, energy and angular momentum, oscillations, waves, fluids, thermodynamics, optics, electromagnetism, modern physics. Laboratory experiments are designed to help students master the principles covered in lecture course. Corequisite(s): PHY 1033 and PHY 1031T.
PHY 1034	Introductory Physics II Lab	1	This lab is a continuation of introductory physics, covering electricity, magnetism, optics, and modern physics with an emphasis on conceptual understanding and problem-solving. Corequisite(s): PHY 1032.
PHY 1051	General Physics I Lecture	3	Topics covered in this course include an introduction to Newtonian mechanics for particles, systems of particles (in particular rigid bodies), notions of fluid mechanics and elasticity, the physics of waves and geometrical and physical optics, gravitation, electricity and magnetism, circuits of resistors, capacitors, and inductors, transformers, Maxwell's equations, elements of thermodynamics, optics and waves, Relativity Theory, and elements of Quantum Mechanics. Prerequisite(s): MAT 1412. Corequisite(s): PHY 1053 and PHY 1051T.
PHY 1051T	General Physics I Recitation	0	Topics covered in this course include an introduction to Newtonian mechanics for particles, systems of particles (in particular rigid bodies), notions of fluid mechanics and elasticity, the physics of waves and geometrical and physical optics, gravitation, electricity and magnetism, circuits of resistors, capacitors, and inductors, transformers, Maxwell's equations, elements of thermodynamics, optics and waves, Relativity Theory, and elements of Quantum Mechanics. Prerequisite(s): MAT 1412. Corequisite(s): PHY 1051.
PHY 1052	General Physics II Lecture	3	Two-semester, calculus-based lecture for Physics, Physical Sciences and Pre-Engineering majors. Topics covered: kinematics and dynamics of the particle and rigid bodies, conservation laws, momentum, energy and angular momentum, oscillations, waves, fluids, electromagnetism and optics. Laboratory experiments are designed to help students master the principles covered in lecture. Prerequisite(s): PHY 1051. Corequisite(s): PHY 1054 and PHY 1052T.
PHY 1052T	General Physics II-Recitation	0	Special recitation for PHY 1052.
PHY 1053	General Physics I Lab	1	Laboratory experiments are designed to help students master the principles covered in lecture course. Corequisite(s): PHY 1051 and PHY 1051T.
PHY 1054	General Physics II Lab	1	Two-semester, calculus-based lab for Physics, Physical Sciences and Pre-Engineering majors. Topics covered may include kinematics and dynamics of the particle and rigid bodies, conservation laws, momentum, energy and angular momentum, oscillations, waves, fluids, electromagnetism and optics. Laboratory experiments are designed to help students master the principles covered in lecture. Laboratory fee. Corequisite(s): PHY 1052.
PHY 1071	Physics Engines	0 TO 3	This course explores the design and implementation of physics engines, focusing on simulating realistic motion and interactions in virtual environments using principles from classical mechanics and computational algorithms.
PHY 1222	Advanced Mechanics	3	Systems of particles. Variable mass. Collision theory. Lagrangian mechanics. Constraints. Variational calculus and Hamilton's equations. Rotations of rigid bodies in two and three dimensions. Euler's equations. Tensor analysis. Small coupled oscillations and normal coordinates. Fluid mechanics. Viscosity. Relativistic mechanics. Prerequisite(s): PHY 1051, MAT 1510.
PHY 2051	General Physics III	4	This course examines the physics of waves and optics, covering topics such as wave propagation, interference, diffraction, polarization, and the behavior of light through various media. Prerequisite(s): PHY 1052 and MAT 1413.
PHY 2052	General Physics IV	4	This course introduces key concepts of modern physics, including special relativity, quantum mechanics, atomic structure, and nuclear physics, emphasizing the shift from classical to contemporary physical theories.
PHY 2052T	General Physics IV-Recitation	0	Recitation for PHY 2052.
PHY 2550	Physics Computer Programming	3	Physics computer programming is a powerful approach to probing natural phenomena. In this course, students will learn first how to program and to make plots. The remainder of the course will introduce students to several of the main computational tools, techniques, and methods to address physics questions. This is a practical course, meaning students will be learning mostly by doing: writing programs, running them, debugging, etc., until they get answers that are physical and plausible. The knowledge of how to implement numerical solutions to problems, and the limits of these simulations, should be useful for the future study of students. Prerequisite(s): PHY 1052.
PHY 3301	Computational Methods Phys Sci	3	Basic use of symbolic logic software and exploration of different areas of physics through numerical and computational techniques, including random-walk models, accretion phenomena, Monte Carlo methods in statistical physics, cellular automata, complexity, chaos, and planetary motion. Methods of interpolation, rates of convergence, projection methods, boundary problems and singular perturbation methods. Prerequisite(s): PHY 1041, PHY 1042. Recommended: COM 1300.
PHY 4221	Classical Mechanics	3	Particle motion in space, time, or velocity-dependent potentials. Damped and driven oscillations and resonances. Elements of nonlinearity and chaos. Noninertial reference systems. Motion relative to the Earth. Central forces. Planetary motion. Stability of orbits.
PHY 4321	Electromagnetic Theory	3	Vector calculus, Maxwell's equations in integral and differential form; electrostatics, Poisson's equation; magnetostatics; time-varying fields.
PHY 4510	Statistical Mechanics	3	The laws of thermodynamics. Entropy. Equations of state. Phase transitions. Thermodynamic potentials. The Third Law. Distribution functions. Theory of ensembles. Statistical formulation of temperature. Quantum and classical ideal gasses. Electronic conductance. Bose-Einstein statistics: phonons, Plancks Law, Bose condensation.
PHY 4621	Intro to Quantum Mechanics	3	From foundational Quantum Mechanics to the mathematical descriptions of atoms, light and their interactions.
PHY 4741	Physics Internship	1 TO 3	This course provides students with practical, hands-on experience in a professional physics-related setting, allowing them to apply theoretical knowledge to real-world research or industry projects.
PHY 4810	Advanced Physics Lab	3	The course will give students tools to measure and analyze physical processes, such as crystallization, nucleation and diffusion, which are affected by biomolecules. Students will use fluorescence microscopy, differential scanning calorimetry, temperature-controlled stages and a combination of these techniques to measure and study the thermodynamics of crystallization and nucleation of water and other materials.
PHY 4901	Independent Study	1 TO 3	Independent individual research projects done under the guidance of a physics faculty member. Meet with the Yeshiva College Academic Dean. May be taken three times for credit towards degree.
PHY 4921	Biophysics	3	This course is about the fundamentals of biophysics with a focus on protein physics and the collective behavior of macromolecules. When biological entities (such as proteins, DNA, and RNA) are studied from a biological perspective, the emphasis is rightly placed on the biological functions and the details of the intermolecular interactions that make such function possible. However, biological systems demonstrate a range of behaviors that do not depend on biological or chemical details, but rather on general physical principles. In this course, much emphasis will be placed on using such physical principles to describe the properties of biophysical systems.
PHY 4930	Topics in Physics	1 TO 3	Nanometer size systems studied with physics tools. Topics include friction at the nanoscale, instersticial atoms in crystals, dislocations, surfaces.
PHY 4935	Physics Colloquium	1 TO 2	Basic techniques underlying the foundations of medical imaging. Reconstruction imaging by absorption (X-rays) and transmission (MRI). Radon transform. Complementarity between CAT scan and magnetic resonance imaging. Positron emission tomography. Side effects of imaging fields: artifacts and heating. Description of model building: phantoms.
POL 1101	Intro to American Politics	3	Why is the United States the only rich democracy without universal health care? Why is economic inequality so much greater than in United States compared to other rich democracies? In light of the insurrection at the US Capitol on January 6, 2021, to what extent is American democracy in real danger? From education and health care to environmental protection and the preservation of the republic, politics and policy matter since government action and inaction have an enormous impact on our daily lives and the broader society in which we live. Yet, most people find politics to be confusing and perhaps not too interesting.
POL 1201	Intro to Comparative Politics	3	Why are some countries rich and others poor? What is the relationship between human rights and economic development? How can we explain differences and similarities in the domestic politics of countries throughout the world? These and other questions are explored through an examination of countries representative of different regions, political systems, and levels of development.
POL 1301	Intro International Relations	3	Why do states go to war, form alliances, or make peace? What shapes the interests and motivations of state actors? How do states decide how to act vis a vis others? This course provides an introduction to the systematic study and analysis of international politics. It exposes students to major theoretical approaches in the study of international affairs and applies these approaches to the analysis of historical and contemporary political issues.
POL 1401	Great Political Thinkers	3	Survey of political philosophers in the Western tradition from Plato and Aristotle through Machiavelli, Hobbes, Locke, Hegel, and Marx to Rawls.
POL 1501	Fundamentals of Poli Sci	3	Introduction to the discipline of political science. Topics may include ethnic conflict, causes of war, international cooperation, the dynamics of political institutions, the challenge of rising political inequality in the United States, the role of civil society in democracies, the obstacles to democratic transitions in the Middle East, and the spread of partisan polarization. Recommended for those students considering a major in the department or for nonmajors seeking an overview of the field.
POL 2100	The American Presidency	3	An-in depth study of the most powerful office in the world, focusing on explanations for presidential power and success in domestic and international affairs, as well as how the executive branch interacts with the rest of the American political system.
POL 2105	Congress&Legislative Process	3	Congress was intended to be the most powerful branch of government, but that requires legislators to put aside their individual differences and work together. This course examines how Congress functions and how laws are made in today's era of high political polarization and gridlock.
POL 2121	Political Psychology	3	Why are some people liberal and others conservative? This course explores psychological explanations for political beliefs and behaviors. Topics addressed include political ideology, partisanship, polarization, belief in conspiracy theories, political violence, and attitudes toward democracy.
POL 2135	Voting and Elections	3	Methods by which American elections are conducted; means of voter mobilization; explaining levels of voter participation.
POL 2145	Constitutional Law	3	Changing interpretations of the meaning of the U.S. Constitution, with particular attention to decisions of the U.S. Supreme Court.
POL 2160	Social Movements	3	Theoretical perspectives appropriate to the analysis of political, religious, and cultural movements; case studies of civil rights movement, women's movement, and others.
POL 2170	Media and Politics	3	Role of the 'fourth estate' in American politics and policy making, with special focus on television and new media; the history and use of political propaganda.
POL 2175	Race & Religion in Amer Pol	3	How race and religion have shaped American institutions and fueled partisan strife; how these divisions continue to affect political discourse and social policy. Analysis of the political mobilization of African Americans and conservative evangelicals.
POL 2185	Power and Public Policy	3	An examination of the causes and consequences of political and economic inequality, which a sharp focus on 'who gets what' in American Politics and how policies can exacerbate or ameliorate inequality. Special areas of focus include tax policy, education, healthcare, and criminal justice.
POL 2190	Topics in American Politics	3	Topics in American Politics will vary each semester. Topics to be discussed may include, but are not limited to; American Democracy in Crisis, Courts and Social Change, Essentials of US Legal System, Religion in American Politics and Law, Partnerships for Public Good, Democracy and Inequality, Politics and Poverty in US, Controversy in Jurisprudence, Psychology and Public Opinion. May be repeated for credit if topic is different.

POL 2210	East Asian Politics	3	Introduction to the domestic and international politics of East Asia. Interdisciplinary and historical exploration of the dynamics of one of the world's most populated, economically vibrant, and politically important regions.
POL 2215	Latin American Politics	3	In this class we will aim to understand the main forces (political and economic) that impact democracy in the region. Surveying main debates in Latin American studies, as well as historical cases, we will address the challenges Latin American societies face in order to find their own ways to fight inequality, poverty and oppression. At the end of the semester, students should be able to discuss the most relevant debates regarding why countries transition from authoritarianism to democracy, how did colonialism influence Latin America's lasting affair with authoritarianism, what role does economic development play in a country's transformation. We will also analyze important topics such as women and indigenous movements, poverty and inequality, U.S.-Latin American relations, as well as a series of case studies that focus on Mexico and Central America, the Southern Cone, and the Andes region.
POL 2220	Middle East Politics	3	Major issues confronting the Middle East; religion and politics; challenges to economic development and democratization.
POL 2260	Democracy and Development	3	Comparative study of the wave of democratization that has swept the regions of Latin America, Asia, Africa, Eastern Europe, and the former Soviet Union; the political, economic, and social causes of this trend. Regions to be discussed will vary by semester.
POL 2290	Topics in Comparative Politics	3	Topics in Comparative Politics will vary each semester. Topics to be discussed may include, but are not limited to; Culture Wars in Europe, Authoritarianism and Populism, the Politics of Revolution, Democracy and Development, Politics of Memory, Palestinian Conflict, Game Theory, Environmental Politics in the US and Israel, Culture and Politics, Democracy and Its Critics, the Political Ascent of Turkey, Israeli Politics and Security. May be repeated for credit if topic is different.
POL 2305	American Foreign Policy	3	Analysis of the formation and conduct of US foreign policy in the post WWII period. Examination of international and domestic sources on policy, including power distribution, interest groups, the media and government bureaucracy. Analysis of select examples of and challenges to foreign policy over the past several decades, including the rise of China, Russian expansionism, transatlantic relationship, globalization, WMD proliferation, and global terrorism, among others. Previously POL 1305.
POL 2330	Terrorism	3	Analysis of the causes of contemporary international terrorism, including religious and secular terrorism. Topics covered include agendas and motivations; terrorism financing; recruitment; tactics; counter-terrorism efforts; and disengagement. Study of a selection of terrorist groups throughout the semester.
POL 2360	Weapons of Mass Destruction	3	An overview of the proliferation of weapons of mass destruction in the international system, including nuclear, biological, and chemical weapons. Topics include proliferation models; deterrence; history of select national programs; international efforts to regulate proliferation; cheating; and disarmament. Formerly POL 2390.
POL 2395	Topics:International Relations	3	Topics in International Relations will vary each semester. Topics to be discussed may include, but are not limited to; Writing Social Science, Conflict Resolution, Ethics and War in the 21st Century, Nuclear World, Political Communications, Middle East Security, Israeli Security, Palestinian Conflict, US Global Leadership, Asian Politics, International Environmental Politics, Peace and War. May be repeated for credit if topic is different.
POL 2405	Classical Political Theory	3	This course reawakens the great debates which shaped our political heritage. It seeks to give students a taste of in-depth analysis of the most influential period in the history of political thought: Greece, and particularly Athens of the 5th and 4th centuries BCE. In addition, it is useful to form some contrasts with the political thought of other cultures. Accordingly, this course surveys the growth of political thought in the West, including an introduction to the non-Greek components of our political heritage; Hebrew, Christian, and Roman political thought.
POL 2410	Modern Political Theory	3	Political thought in the 17th to 19th centuries. Theories of rights and property; moral agency; theories of state, justice, and civil society; including reading from English, French, and German thinkers (such as Hobbes, Locke, Rousseau, Kant, Hegel and Marx).
POL 2430	American Political Thought	3	Readings in classical and contemporary commentaries on the American political experience; analysis of historical and geographical factors shaping the American political mind and tradition; including topics such as impact of religion, slavery, ethnicity, and racism; anti-democratic thought in America.
POL 2495	Topics in Political Theory	3	Topics in Political Theory will vary each semester. Topics to be discussed may include, but are not limited to; Political Thought, Literature and Politics, Philosophy of Law, Global Justice, Antient and Medieval Philosophy, Contemporary Prospectives on Justice, Just and Unjust Wars, Zionist Political Thought, Environmental Ethics, Israeli Political Thought, Political Rhetoric, Enlightenment and Its Critics. May be repeated for credit if topic is different.
POL 2505	Writing Social Science	3	An upper-level writing seminar designed for majors and minors who are working on a thesis. Breaking down the process of research paper writing, including proposal, bibliography, conducting research; writing a draft; providing feedback to colleagues; writing an op-ed; revisions and oral presentation of research projects. Restricted to POL major or minor only.
POL 3300	International Security	3	Major theories, concepts, and research programs associated with the study of international security. Addresses such topics as grand strategy, military strategy and statecraft, war termination, alliance politics, civil military relations. Prerequisite(s): POL 1301.
POL 3560	Political Game Theory	3	In this course, students will learn the basics of Game Theory with an emphasis on how it can teach us more about politics, with specific focus on non-cooperative games, models of strategic interaction without outside forces to ensure collaboration and teamwork. Our purpose in learning Game Theory is to get better at understanding and doing theoretical and empirical research related to politics. In other words, students are learning Game Theory as a tool to explain political interactions in the real world. In this course, students will address questions like: How can we talk about citizens' preferences in precise terms? What types of interactions produce cooperation and/or conflict? How do candidates position themselves and how do voters make their choices? What is the optimal strategy for addressing the risks of terrorism? How do legislators strike bargains? How do juries vote to convict or to acquit? When do candidates decide to enter elections and how is this like when countries decide to declare war?
POL 3575	Research Methods	3	An introduction to quantitative research methods used in the social sciences generally and within political science more particularly with an emphasis on hands-on data analysis and coding. Prerequisite(s): POL 1101, POL 1201, POL 1301, POL 1401 or POL 1501.
POL 4741	Political Science Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor.
POL 4901	Independent Study	1 TO 3	This independent study course provides the student with the flexibility to learn more about a topic of interest outside of the formal course setting. The subject should be chosen in consultation with a faculty advisor who acts as the student's supervisor, and with the permission of the program director. The student is required to submit a course contract describing the course of study and its specific learning objectives. Course credit is determined in advance of the course, by the instructor with the approval of the program director. May be taken three times for credit towards degree.
PSY 1010	Introduction to Psychology	3	Basic facts and theories of the science of behavior: biological foundation, history, sensation and perception, conditioning and learning, personality, social behavior, intelligence, cognition, language, testing, deviant behavior; applications in the field of psychology.
PSY 1021	Statistics for Psychology	3	This course provides an introduction to the quantitative methods used to analyze data from psychological research. The topics of this course are the basic concepts and terminology of statistics, the display of data, descriptive statistics, correlation and regression, and inferential statistics. The goal of this course is to provide students with a foundational understanding of the data analytic procedures used in psychological research. Prerequisite(s): PSY 1010 may be taken as a prerequisite or corequisite.
PSY 1108	Human Communication	3	Previously offered as PSY 1107.
PSY 1110	Developmental I: Child	3	Biological, psychological, and social factors that enter into the development of children from birth to pre-adolescence; correlations between childhood development and formation of adult personality. Prerequisite(s): PSY 1010; and PSY 1021 may be taken as a prerequisite or corequisite.
PSY 1113	Language Development	3	The nature of language and its development; phonology, syntax and morphology, reading; focuses on processes and course of normal development; pathological groups such as the deaf; language as a cognitive and communicative system. Prerequisite(s): PSY 1010.
PSY 1120	Intellectual Disabilities	3	This class will focus on different types of specialized needs, such as Mental Retardation, Autism, Cerebral Palsy, and Seizure Disorders among others. We will cover the history of the field of intellectual and developmental disabilities, attitudes towards developmental disabilities throughout history, and the causes, prevention, and treatment of disorders. We will learn about the challenges and successes of people with various degrees and types of developmental disability in the real world. Prerequisite(s): PSY 1010.
PSY 1124	Learning Disabilities	3	An overview of the topic of learning disabilities, from the beginnings of the field to current knowledge and practice. History of the field, the changing definition of learning disabilities, their different types, genetic and environmental causes, and their assessment, diagnosis, and treatment. Current trends in the field, social aspects of learning disabilities, and learning disabilities in adulthood. Prerequisite(s): PSY 1010, STA 1021
PSY 1130	Developmental II	3	Processes and problems of adolescence, adulthood, and old age; personality development in its relationship to cultural patterns. Prerequisite(s): PSY 1010, PSY 1110.
PSY 1301	Tests and Measurements	3	Theory and method of measuring human behavior; construction and evaluation of tests of abilities, aptitudes, achievement, attitudes, and adjustment; ethical issues in testing. Prerequisite(s): PSY 1010; and STA 1021 may be taken as a prerequisite or corequisite.
PSY 2100	Experimental Psychology Lec	3	Theory and practice of research methodology and evaluation of experimental research in psychology. Students perform individual experiments, prepare reports of results, and are introduced to the literature of experimental psychology. This course is a prerequisite for most upper level psychology courses. This is a laboratory to accompany the lecture course. Prerequisite(s): PSY 1010 and PSY 1021.
PSY 2120	Experimental Psychology Lab	1	Theory and practice of research methodology and evaluation of experimental research in psychology. Students perform individual experiments, prepare reports of results, and are introduced to the literature of experimental psychology. This course is a prerequisite for most upper level psychology courses. This is a laboratory to accompany the lecture course. Prerequisite(s): PSY 1010; and PSY 1021 may be taken as a prerequisite or corequisite. Corequisite (s): PSY 2100.
PSY 2150	Cognitive Psychology	3	Examines the theoretical perspectives and empirically documented phenomena of cognitive psychology. Lectures, discussions, demonstrations, and experiments contribute to students understanding. Topics to be considered include reasoning, language, problem solving, creativity, and decision making. Memory: theory, structure, processes; thinking: information processing, processes. Prerequisite(s): PSY 1010; and PSY 1021 may be taken as a prerequisite or corequisite.
PSY 2154	Motivation	3	Physiological, behavioral, psychodynamic, and humanistic approaches to motivated behavior. Focuses on hunger, thirst, reproduction, play, aggression, addiction, and achievement. Prerequisite(s): PSY 1010/H. Recommended: PSY 3800, PSY 3804.
PSY 2414	Abnormal Psychology	3	Examination of the field of abnormal psychology, surveying the major psychological disorders and their classification. Causes and treatments of the major disorders are explored from various theoretical perspectives. Theories and research into causes of neuroses, psychoses, and deviant behavior; diagnosis and treatment. Prerequisite(s): PSY 1010; and PSY 1021 may be taken as a prerequisite or corequisite.
PSY 2430	Clinical Psychology	3	History and background of clinical psychology; current research; functions and responsibilities of the clinical psychologist and related mental health personnel; introduction to diagnosis and psychotherapy; ethics of the profession. Prerequisite(s): PSY 1010, PSY 2414.
PSY 3105	Social Psychology	3	Dynamic study of social behavior; social learning, interpersonal attraction, aggression, attitudes, conformity, and social influence processes. Prerequisite(s): PSY 1010; and PSY 1021 may be taken as a prerequisite or corequisite. Crosslisted with SOC 3701.
PSY 3110	Psychology and Public Opinion	3	This multidisciplinary seminar will overview social scientific research on the psychological and social processes that underlie political opinion. Students will learn about empirical research in psychology and political science dealing with the origins and consequences of mass political attitudes. Some of the major topics we will cover are psychological and survey research methodology, genetic and environmental influences on political attitudes, political thinking, public opinion and election polling, and aggregate political opinion. The course will focus heavily on empirical studies and their conclusions. It will also include a current events component in which students discuss articles and blog posts that analyze recent public opinion evidence. Same as HBSI 1007.
PSY 3400	Educational Psychology	3	Application of principles of learning, motivation, and measurement to education. Prerequisite(s): PSY 1010. Recommended: PSY 2150.
PSY 3410	Applied Psychology	3	Various areas in which principles of psychology have practical application: industry, business, education, advertising, communication; mass media and their effect on the individual. Prerequisite(s): PSY 1010.
PSY 3411	Forensic Psychology	3	Role of psychology in the legal system; child welfare, criminal justice, personal liability issues; role of the psychologist as an expert witness.
PSY 3430	Positive Psychology	3	Theory and practice of behavioral science in industry and business settings: selection techniques, merit rating, employee counseling; attitudes and morale; training, leadership, and job evaluation; time and motion studies; human ecology. Prerequisite(s): PSY 1010.

PSY 3435	Industrial & Organization Psyc	3	Theory and practice of behavioral science in industry and business settings: selection techniques, merit rating, employee counseling; attitudes and morale; training, leadership, and job evaluation; time and motion studies; human ecology. Prerequisite(s): PSY 1010. Corequisite(s): PSY 1021.
PSY 3601	Health Psychology	3	The contribution of psychological factors to the development, course, and treatment of physical illness and disease. Research methodology, basic theories, empirical studies, and clinical applications. Factors covered include weight control, alcoholism, smoking, heart and respiratory disease, cancer, and chronic illness. Prerequisite(s): PSY 1010.
PSY 3800	Personality	3	Structure and dynamics of normal and abnormal personality development, including psychoanalytic and social learning approaches. Clinical diagnostic tests and procedures are discussed. Prerequisite(s): PSY 1010 and PSY 1021.
PSY 3804	Psychobiology	3	Mind and body. The nervous system and endocrine glands in relation to psychological processes; physiological basis of perception, motivation, emotions, and learning. Prerequisite(s): PSY 1010. Crosslisted with BIO 3804.
PSY 3824	Neuropsychology	3	The principles and concepts that shape current neuropsychological thinking; experimental and clinical techniques as well as models of brain organization. Neuropsychological signs, symptoms, and syndromes in conjunction with brain structure and function. Specific focus on the neuropsychological implications for attention, motor function, sensory-perceptual integration, memory and learning, language, and thinking, along with developmental, adult, and geriatric implications. See also BIO 3824.
PSY 3825	Sleep and Dreams	3	This course will give an introductory overview of sleep and circadian rhythms, with a particular emphasis on how these physiological factors and their disruption influence cognition, endocrine function, mental health, metabolism, and body weight regulation. Content will include: the normal human sleep-wake cycle and the influence sleep has on normal and abnormal functioning.
PSY 3842	Moral Development	3	How do people learn to distinguish right from wrong, or good from evil? Is morality universal or based on one's culture or upbringing? What is the relationship between morality and religion? This class focuses on the questions of how people develop an understanding of morality and how this understanding impacts their moral values and behavior. The class aims to help students develop an appreciation and understanding of various theories of moral development from a psychological perspective, as well as develop the skills to apply this knowledge to understand and evaluate a variety of contemporary issues. Prerequisite(s): PSY 1010.
PSY 4741	Psychology Internship	1 TO 3	
PSY 4901	Independent Study	1 TO 3	Meet with the Yeshiva College Academic Dean. May be taken three times for credit towards degree. Prerequisite(s): PSY 1010. Corequisite(s): PSY 1021.
PSY 4930	Topics in Psychology	3	Selected topics in the field of psychology. May be repeated for credit if topic is different.
PSY 4933	Research Seminar	3	Provides the opportunity to gain in-depth knowledge about theory and research in one area of psychology. Students will be required to read theoretical papers and original scientific work. The topic covered will vary according to instructor. Prerequisite(s): PSY 1010; and PSY 1021. May be repeated one time.
SCI 1012	Scientific Literacy	3	Science is the principle means by which we come to understand our environment, the planet and the universe. Science also has the ability not only to affect our day-to-day lives, but also to shape our future as individuals and as societies. The responsible citizen must be able to educate himself/herself about scientific matters that have the potential to impact civilization. This course aims to (1) expose you to current issues in modern science that have potential to impact daily life and (2) to give you the skills necessary to educate yourself and engage in discourse about scientific developments in the modern age. We will explore a variety of scientific topics through various modern media including primary scientific literature, popular science columns, documentary films, podcasts, blogs and social media. We will learn how to critically analyze information in each of these media and how to analyze issues related to the application of scientific breakthroughs to our daily life. Finally, we learn about the government agencies that adjudicate and regulate how science interacts with society in our daily lives.
SCI 1021	The Physical Universe	3	
SEM 1205	Upper Intermediate Arabic I	1 TO 3	Continued study of standard Literary Arabic, proceeding through Unit 6 in Al-Kitaab Part Two. Increased work on conversational skills and written presentations in Arabic. Prerequisite(s): SEM 1202.
SEM 1206	Upper Intermediate Arabic II	1 TO 3	Continued study of standard Literary Arabic, proceeding through Unit 6 in Al-Kitaab Part Two. Increased work on conversational skills and written presentations in Arabic. Prerequisite(s): SEM 1205.
SEM 1301	Introduction to Aramaic	1 TO 3	
SOC 1001	Introduction to Sociology	3	The course introduces sociology's basic concepts, theories, research methods, and subfields, covering such topics as socialization, deviance and crime, family, economic inequality, culture, gender, religion, and social movements. Students will come to understand the many ways in which people's lives, including their own, are shaped by the social world.
SOC 1215	Sociology of Religion	3	This course will introduce you to religion as seen through a sociological lens. Topics to be covered include both theoretical and cultural approaches to studying religion, religion and modernity, and the intersection of religion with individual and group identities.
SOC 1316	Environmental Sociology	3	This course examines relationships and interactions between society and the environment. This includes inquiries into how the natural world and its degradation influence the way societies are organized by studying human communities as part of natural ecosystems.
SOC 1730	American Jewish Communities	3	The effects Jews have had on American society and how American society has influenced Judaism; mechanisms used by Jews and other religious groups to thwart change or to adapt to the host culture: membership in associations and organizations, political behavior and lobbies, links with Israel. Relationships between Jews and other societal groups.
SOC 1746	Ethnic Groups in the U.S.	3	Nature of ethnic and minority groups; acculturation and assimilation in the United States; relation of ethnic groups to the institutions of the dominant society; nature and causes of prejudice and discrimination.
SOC 1757	Race, Class and Gender	3	This course introduces students to the concepts of Race, Class and Gender as seen through a Sociological Perspective. Students will learn how these separate topics interact every day in our social world.
SOC 1831	Self and Society	3	The course analyzes how identity and the self are created through social, psychological, cultural, and historical processes. These include socialization and the performance of social roles such as child, student, spouse, consumer, worker, and senior citizen. Special emphasis on understanding the ways that gender, race and ethnicity, and class shape emotional life and the creation of a multilayered self.
SOC 1934	Sociology of Mass Media	3	An examination of American films dealing with the Jewish experience provides a most unusual perspective on the Twentieth century American Jew- the way the Jew sees him/herself and how others perceive Jews. Classic films will be used as text for understanding how, through the years, filmmakers have created and packaged their own unique concept of the American Jew - how this was filtered through their own consciousness and how we read and comprehend the cinematic text. In addition to examining the films, the class will reference historical and cultural studies of American Jewry together with insights into the Jewish film community of Hollywood.
SOC 1950	Sociology of Food	3	The course examines the processes involved in food production, distribution, and consumption. It will use sociological frameworks for understanding how the social structural forces at play are influencing how we eat and how the food industry influences our lives. This course includes discussion related specifically to the food industry in the US, but also covers a variety of global issues. May count towards Public Health minor.
SOC 2101	Education and Society	3	An exploration of the social organization of educational institutions, utilizing various sociological perspectives to offer views on equality/inequality, organization, curriculum, and achievement.
SOC 2104	Media and Society	3	This class will focus on mass media representations of gender, race, class, and politics, as well as the cultural, legal, economic, and institutional factors influencing the production of media texts. We will also discuss the ways in which media audiences (not just media scholars) make sense of media texts. Types of media to be discussed include advertisements, film (including romantic comedies, drama, horror, action, and war films), news media, comic books, video games, 'reality' television, and sitcoms. Due to time constraints, popular music, novels, and 'new' media will receive relatively less attention. Much of the class will focus on classic theories and media texts. Many of the examples discussed in class will likely be things that you have not seen (e.g., It Happened One Night, The Maltese Falcon, Halloween, Apocalypse Now, When Harry Met Sally). This is done to expose you to media texts (and historical contexts) that you might be unaware of and give you the opportunity to compare them with the media that you consume today. See also HBSI 1104.
SOC 2210	The Family	3	Analysis of the family in historical context. We explore popular myths of the family; changes in the way the family is conceptualized. Who constitutes 'family'? Gender roles, blended families, divorce and remarriage rates are all explored with respect to the idealized and the actual family structure. Family as both a private and a public institution. Prerequisite(s): SOC 1001.
SOC 2301	Criminology	3	The study of delinquent and criminal behavior; theories of criminality; extent and patterns of criminality; behavior systems in crime; an overview of societal response to crime, including the police, courts and prisons; prevention and treatment of crime.
SOC 2302	Sociology of Deviance	3	This course will introduce you to the general phenomenon of deviance, both criminal and non-criminal. Topics to be covered include; sociological theories, crime, drug and alcohol use, sex work, body modification, mental and physical disorders (as well as ways of being).
SOC 2305	Violence, Schools & Education	3	Violence in schools is an increasing public concern, as education- a crucial determinant of life chances- may be disrupted by violence. This interdisciplinary course will address causes, manifestations, and consequences of school violence, and assess efforts to prevent it.
SOC 2311	Social Inequality	3	This course is an introduction to the field of social inequality. Inequality is one of the main lines of inquiry in sociology and is an extremely timely topic, given the current political and social climate in the United States. Students will explore the basic features of inequality in the U.S. through classic and contemporary readings on class, race and gender.
SOC 2401	Medical Sociology	3	Sociology is concerned with the social causes and consequences of human behavior. Medical sociology focuses on the social causes and consequences of health and illness, bringing sociological perspectives, theories, and methods to study health, illness, and medical practice. This course introduces students to medical sociology by exploring three major areas of discussion: 1) the social determinants of health: how can race, class, and gender intersect to produce disease and disability for some and wellness for others? 2) the social construction of Illness: how cultural conceptions can help explain why people with the same illness experience different subjectivities depending on where they are geographically? 3) the political economy of medicine: how the U.S. health care system is serving as a tool for social control and neoliberal accumulation? We will read material that addresses the U.S. case at large, but we will complement our leaning with comparative cases from other countries.
SOC 2402	Health and Society	3	Distribution of disease among and within populations is a crucial subject in today's society. Explores trends in medical practice; politicization of health care; contemporary social and ethical issues in health care: genetic engineering, right to die, living wills, and consumer movements in health care.
SOC 2403	Introduction to Public Health	3	This course will explore how public health touches upon various systems and structures, through psychosocial, sociocultural, epidemiological, and biomedical concepts. Students will dive into determinants of health, health equity, U.S. and international healthcare systems, policy, public health ethics, history, public health interventions, health promotion & education, and global health.
SOC 2405	Health and Social Policy	3	Why does the United States spend more on health care per person than other developed countries and still have worse health outcomes? American health care costs (including drug prices) are higher and we have a much greater use of expensive medical technology than in other countries. This course will examine the strengths and weaknesses of different approaches to health care delivery and financing, including private, single-payer and universal systems. Students will analyze the impact of these approaches on access, cost, quality, and disparities. They will also examine the historical, economic, social, and political factors that have led the U.S. to adopt its current health system, how care is delivered, analyze its strengths and weaknesses, and examine the different proposals for reforming it.
SOC 2406	Social Determinants of Health	3	This summer travel course explores the broad area of study termed the social determinants of health (SDOH) placing special emphasis on the exploration of health disparities in Latin America. We will examine the social conditions that relate to the health of populations, paying particular attention to how patterns of health vary by social class, race/ethnicity, and gender. The course will also consider mechanisms that produce and maintain these differences. In addition to sociology, students will draw upon the work of multiple disciplines, including religion, public health, anthropology, public policy, economics, and medicine to understand what makes us sick and what might make us better.
SOC 2407	Epidemiology	3	Epidemiology is the study of the distribution and determinants of health and disease in human populations. In recent years, the epidemiological approach has been used to address a wide range of problems, including infectious diseases, genetic risk, environmental threats, social stratification patterns, substance use, violence prevention, and even the spread of knowledge and innovation through social networks. Epidemiology has proven increasingly relevant to clinical medicine, public policy, social science, law, and other fields; as epidemiology becomes more widely applied, it is more important than ever for researchers and professionals in a variety of fields to become familiar with its basic principles. This course introduces the basic principles of epidemiological study design, analysis, and interpretation. Same as EXQM 1007.

SOC 2601	Introduction to Anthropology	3	Introduction to the reconstruction of human evolution through the study of fossils and other evidence; primate behavior and ecology in the field; the comparative study of human cultural and social variation and similarity; archaeology; anthropological linguistics. Insights promote useful social policies.
SOC 2611	Cultural Anthropology	3	The study of people in relation to their geographic and socio-cultural environments. Cultural variations and adaptive strategies in a broad range of societies focusing on food- gathering, marriage and the family; kinship terminology; psychology; religion; recreation; and folklore. Emphasis on field research methods. Formerly SOC 1204.
SOC 2621	Introduction to Archaeology	3	An introduction to world prehistory, with an emphasis on the rise and fall of social and political complexity. Topics range from cave paintings and early farmers to the first civilizations in Mesopotamia, Egypt, China, and Central and South America.
SOC 2625	Archaeology of Israel	3	Through the lens of archaeology, this course probes the history of the Land of Israel from the earliest farmers to the end of the Roman/Byzantine era. Formerly SOC 1211.
SOC 2626	Archaeology Fieldwork	3	This course is designed to provide students with the opportunity to gain academic and practical experience in the recovery and analysis of the material remains of an ancient culture. Students will participate in all aspects of the excavation, including digging and surveying at the site, sampling soil, and recording of architecture. They will also participate in the various tasks that take place in conjunction with digging, such as the washing and reading of pottery, soil matrix analysis, and faunal and floral identification. Field trips to other archaeological sites in Jerusalem will be provided throughout. In addition, lectures on topics relating to the site, the archaeology of Jerusalem, and methodology will be held throughout the week. Formerly SOC 1212.
SOC 2801	Political Sociology	3	The course introduces students to the field of political sociology and its central themes: the modern state, power in modern society, and political conflict. Within this framework, students address such topics as the emergence and transformation of states and state institutions, change of political regimes, social revolutions, political violence, and war.
SOC 2802	Social Movements	3	When do groups mobilize to defend or resist power? Collective action aimed at generating or preventing social change has shaped the course of human history, and the analysis of social movements comprises one of the most vibrant areas of sociological research today. In addition to its central place in classical theory, the emergence, dynamics, and outcomes of social movements have come to encompass much of the study of contemporary politics and culture more generally. Same as POL 2160.
SOC 3002	Social Theory	3	The course surveys the major classical and contemporary sociological theoretical traditions, exploring their historical contexts as well as their relevance to current issues in Sociology. Prerequisite(s): SOC 1001.
SOC 3003	Methods of Social Research	3	Application of the scientific method to social data; definitions, concepts, and hypotheses; research design; techniques of collection and analysis of data. Prerequisite(s): SOC 1001.
SOC 3610	Public Health	3	This course provides an introduction to fundamental concepts in public health including epidemiology, psychological and sociocultural contexts of health, health promotion and health disparities, the U.S. healthcare system, public health interventions, and ethical issues in public health research and practice. Prerequisite(s): PSY 1010 or SOC 1001.
SOC 3701	Social Psychology	3	The course examines individuals in social contexts, their social roles, group processes, and intergroup relations. Students employ a scientific understanding of how the presence of other people, interactions with other people, and other situational factors influence human thoughts and behaviors. Prerequisite(s): SOC 3003. Crosslisted with PSY 3105. Previously offered as SOC 2701.
SOC 4741	Sociology Internship	1 TO 3	Internships provide students with opportunities to gain practical, career-related experience in a variety of supervised settings. Internships are supervised by a staff person at the internship site and overseen by a faculty advisor. May be repeated for a maximum of three credits.
SOC 4901	Independent Study	1 TO 3	A course for a student to take individually with a faculty member. Available only in select circumstances. Meet with the Yeshiva College Academic Dean.
SOC 4930	Topics in Sociology	3	Topics in Sociology will vary each semester. Topics to be discussed may include, but are not limited to; Sociology of Democracy, Sociology of Authoritarianism, Sociology of Extreme Situations, Youth and Adolescence, Contemporary Sociology. May be repeated for credit if topic is different.
STA 1021	Intro to Statistics	3	Sources and types of quantitative data; descriptive statistics: graphic displays and frequency distributions, measures of central tendency and variation; samples and populations; shapes of distributions (bimodal, skewness, kurtosis); probability and statistical decision making; sampling distributions (binomial, F, normal, Students,T, U, chi-square); inferential statistics: approximating percentages, estimating procedures, testing hypotheses for differences or relationships (including regression and trend analyses); tests to check model assumptions; correlation versus causation; lying with statistics.
THEA 2090	Play Production	2	
THEA 2910	Art of the Actor	3	