



Yeshiva University

**Addendum to the Stern College for Women
2024-2026 Academic Catalog**

Addendum to the Stern College for Women Academic Catalog 2024-2026

This document serves as an addendum to the Stern 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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Stern College for Women

Founded in 1954 through a generous gift from industrialist Max Stern in memory of his parents, Emanuel and Caroline Stern, Stern College for Women stands as Yeshiva University's premier college of arts and sciences for women. Its rigorous academic programs prepare students for careers, graduate study, and leadership roles, while embracing the distinctive vision that Jewish values enrich and inform Western culture. Students can choose from 20 majors in the arts and sciences and benefit from unique pathways to graduate programs at YU and other leading institutions. Learn more at yu.edu/pathways.

A defining feature of Stern's curriculum is the Rebecca Ivry Department of Jewish Studies, where students engage deeply with Jewish texts through courses ranging from introductory to advanced levels. These studies foster ethical and philosophical insight while building research and analytical skills. Located on Yeshiva University's Israel Henry Beren Campus in the heart of midtown Manhattan, Stern offers unparalleled access to cultural, professional, and academic opportunities in one of the world's most dynamic cities.

Stern College for Women has approximately 1,000 students from across the United States and around the globe. Now in the second half of its first century, Stern has developed a broad set of educational programs, internships, and research opportunities as well as cultural enrichment initiatives that nurture individual talents and interests, graduating women well prepared to contribute to society and meet the challenges of tomorrow.

Stern College for Women's curriculum consists of general education courses, major-specific requirements, and electives. Each major culminates in a Bachelor of Arts degree. Students receive guidance from advisors in the Academic Advising Center and may also consult faculty within their discipline for assistance with major requirements. 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.

Stern College for Women, BA

Overview

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

Residency Requirements: Students must be in residence full-time at Stern College in New York for at least six semesters and must complete at least 84 credits, including 60% of their major and, if applicable, minor, at Stern College. Transfer students should consult with an academic advisor regarding their residency requirements.

Requirements

General Education Requirements

Modes of Expression (6 credits)

ENGL 1100	Composition and Rhetoric	3
	Or	
ENGL 1200	Freshman Honors Seminar	3
SPEE 1010	Speech Communication	3

Foundations and Contemporary Perspectives of History, Philosophy and Social Sciences (12 credits)

Complete four courses in four different subject areas below.

Economics
History
Philosophy
Political Science
Psychology
Sociology

Interpreting Literature and the Arts (9 credits)

Complete three courses in at least two of the subject areas below.

Art History: ARTS 1050 may not be combined with ARTS 1051 or ARTS 1052

English: All literature courses (excluding composition, writing and media courses)

Music: MUSI 1111 and all music history courses

Foreign Language: Above the 1101 elementary level

Science and Technology (6-8 credits)

Complete two of the following:

BIOL 1006	Human Genetics	3
BIOL 1011	Principles of Biology I Lecture	3
	And	
BIOL 1013	Principles of Biology I Lab	1

BIOL 1012	Principles of Biology II Lecture	3
BIOL 1014	And Principles of Biology II Lab	1
BIOL 1060	Biology and Public Health	3
CHEM 1010	Essentials of Chemistry	4
CHEM 1045	General Chemistry Lecture	3
CHEM 1046	General Chemistry II Lecture	3
CHEM 1047	And General Chemistry II Lab	2
PHYS 1031	Introductory Physics I Lecture	3
PHYS 1033	And Introductory Physics I Lab	1
PHYS 1032	Introductory Physics II Lecture	3
PHYS 1051	General Physics I Lecture	3
PHYS 1053	And General Physics I Lab	1
PHYS 1052	General Physics II Lecture	3
PHYS 1054	And General Physics II Lab	1
SCIE 1060	Biology and Public Health	3

Quantitative Skills (3-4 credits)

Complete one course from the following areas.

	Computer Science	
IDS 1010	Mathematics for Business	3
	Mathematics	
STAT 1021	Introduction to Statistics	3

Electives (12 credits)

Complete four or more courses	12
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All liberal arts courses of at least 2 credits.

Jewish Studies courses do not count toward this requirement.

A maximum of two SSSB courses may count toward this category.

Jewish Studies Requirements (36 credits)

Jewish Studies Requirements for All Beren Students (Stern College and Sy Syms School of Business)

- All students must successfully complete a minimum of 36 credits of Jewish Studies.
- All students must successfully complete a minimum of 18 Jewish Studies courses.
 - Up to two of these courses may be Hebrew language courses.

- Two Hebrew language courses may be satisfied through successful completion (85 or above) of the Jerusalem Hebrew Exam or Bagrut Certificate or a Category 5 score on YU's Hebrew Placement Exam; students are notified of their placement or exemption as described in the undergraduate Hebrew policy.
- One Hebrew language course may be satisfied through placement in Categories 3 or 4 on YU's Hebrew Placement Exam; students are notified of their placement as described in the undergraduate Hebrew policy.
- All students must enroll in a minimum of 2 Jewish Studies courses per semester.
- All students must successfully complete a minimum of 2 credits in courses with the designation “fundamentals” in each of four categories (Bible, JUDES, Jewish History, Jewish Philosophy) on campus.
- Students enrolled in Sy Syms School of Business must also successfully complete 4 credits (=2 courses) in the Syms Jewish Values Curriculum (Jewish Business Ethics/Jewish Public Policy).

Transfer Credit

- Students who receive a full year of credit for study in seminary/Israel may count 6 courses toward their Jewish Studies requirement; they may transfer in 12 Jewish Studies credits and 15 free elective credits for a total of 27 credits. (These “free elective credits” count towards the 128 needed for graduation, but *do not* fulfill a Jewish Studies or a General Education requirement.)
- Students who receive less than a full year of credit for study in Israel, those who stay for shana bet, transfer students, and other special cases receive a prorated number of credits.

P/N Policy

- Students may take up to 2 Jewish Studies courses as P/N.
- Courses required for the distribution, including Hebrew, may not be taken as P/N.

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: Beren students must complete a three-semester sequence, 2 credits per course: HEBR 1001 AND HEBR 1002 AND {BBLE 1405 OR 1410}.

Category 2: Students must complete HEBR 1010 and HEBR 1020 (synchronous or asynchronous). Students in this category complete their Hebrew requirements after they complete HEBR 1020. They are not required to take Hebrew 1030.

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

Category 4: Students must complete one advanced course:

- o HEBR 1211 or HEBR 1221 or HEBR 1240

Category 5: Exempt pending writing sample

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

Programs of Study Majors and Minors

American Studies Minor

Overview

The American Studies minor offers students the opportunity to take an interdisciplinary approach to the study of the culture and history of the United States. Students explore diverse topics such as social movements, American political thought, and literature, providing a comprehensive view of American society. This minor is designed to enhance critical thinking and analytical skills, preparing students for careers in fields like education, public policy, and journalism.

Requirements (18 credits)

The six (6) total courses required for the minor must be drawn from three or more departments.

History and Political Science

Complete at least one course (3 credits) from the following:

HIST 1201	Survey of United States History I	3
HIST 1202	Survey of United States History II	3
POLI 1101	Introduction to American Politics	3
POLI 2430	American Political Thought	3

Literature and Art History

Complete at least one course (3 credits) from the following:

ARTS 1613	American Art	3
ENGL 2006	Survey of American Lit I Survey of American Literature I	3
ENGL 2007	Survey of American Literature II	3

Electives

Complete 12 credits from the following:

ARTS 1635	Evolution of the Skyscraper	3
ENGL 2520	Literature and Culture of the Roaring Twenties	3
ENGL 2720	The American Short Story	3
ENGL 2779	Fact and Fiction: American Literacy Nonfiction	3
ENGL 3922	Major Authors	3
HIST 2231	History of New York City: People, Communities, Politics, Culture	3
POLI 1101	Introduction to American Politics	3
POLI 2175	Race and Religion in American Politics	3
SOCI 1746	Ethnic Groups in the United States	3
SOCI 1934	Sociology of Mass Media	3

The six total courses required for the minor must be drawn from three or more departments.

Shaped Major in Art History, BA

Overview

Students may elect a Shaped Major with emphasis on art history, studio art, pre-architecture, graphic design or art therapy. See Shaped Majors (p. 51).

Degree Requirements

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

Major Requirements (34 credits)

Core Courses

ARTS 1051	History of Art I	3
ARTS 1052	History of Art II	3
ARTS 1985	Seminar in Art History	3
ARTS 1990	Senior Thesis	1
ARTS 2201-3970	Studio Art Elective	3

Electives

Complete seven from the following:

ARTS 1350	Baroque Art	3
ARTS 1431	Early 19th Century Art	3
ARTS 1432	Late 19th Century Art	3
ARTS 1451	Early 20th Century Art	3
ARTS 1452	Late 20th Century Art	3
ARTS 1471	Contemporary Art	3
ARTS 1613	American Art	3
ARTS 1635	Evolution of the Skyscraper	3
ARTS 1637	NYC Architecture and Urban Design	3
ARTS 1645	History of Photography	3

Art History Minor

Overview

Students may elect a minor with emphasis on art history, studio art, pre-architecture, graphic design or art therapy.

Requirements (15 credits)

Complete five Art History courses (ARTS 1050 – ARTS 1985)

Must take one of the following: ARTS 1050, ARTS 1051, ARTS 1052.

Students who take ARTS 1050 must take four advanced Art History courses (12 credits) to fulfill the rest of the minor.

ARTS 1051 and ARTS 1052 may not be used towards those courses.

Students who take both ARTS 1051 and ARTS 1052 need to take three advanced Art History courses.

Biochemistry, BA

Overview

The Biochemistry major integrates traditional chemistry and biochemistry curricula. Students gain a solid foundation in chemical principles and biochemical processes, preparing them for diverse careers in science-related fields. The program emphasizes critical thinking, experimental techniques, and data analysis, ensuring students are well-equipped to tackle complex scientific problems.

In addition to coursework, students are encouraged to engage in research projects with faculty members, enhancing their practical skills and scientific understanding. Graduates of the Biochemistry major are prepared for careers in the chemical and pharmaceutical industries, health sciences, environmental protection, and education. They are also well-positioned to pursue advanced degrees in fields such as chemical biology, neuroscience, and materials science.

Degree Requirements

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

Major Requirements (51 credits)

Core Courses

BIOL 1011	Principles of Biology I Lecture	3
BIOL 1012	Principles of Biology II Lecture	3
BIOL 1013	Principles of Biology I Lab	1
BIOL 1014	Principles of Biology II Lab	1
CHEM 1045	General Chemistry Lecture	3
CHEM 1046	General Chemistry II Lecture	3
CHEM 1047	General Chemistry II Lab	2
CHEM 1213	Organic Chemistry I Lecture	3
CHEM 1214	Organic Chemistry II Lecture	3
CHEM 1215	Organic Chemistry I Lab	2
CHEM 1415	Physical Chemistry I	3
	Or	
CHEM 1416	Physical Chemistry II	3
MATH 1412	Calculus I	4
CHEM 1376	Biochemistry	3
CHEM 1377	Principles of Biochemistry Lab	2
CHEM 1378	Advanced Biochemistry	3

Complete one of the following sequences:

PHYS 1031	Introductory Physics I Lecture	3
PHYS 1032	Introductory Physics II Lecture	3
PHYS 1033	Introductory Physics I Lab	1
PHYS 1034	Introductory Physics II Lab	1

Or

PHYS 1051	General Physics I Lecture	3
PHYS 1052	General Physics II Lecture	3
PHYS 1053	General Physics I Lab	1
PHYS 1054	General Physics II Lab	1

Complete one of the following courses:

BIOL 3207	Cell Biology	4
BIOL 3513	Genetics	4
BIOL 4023	Microbiology	4

Biology, BA

Overview

The Biology major focuses on the study of living organisms and life processes. It provides a broad foundation in the life sciences, including molecular and cell biology, genetics, ecology, evolution, physiology, and anatomy. Biology majors will develop problem solving, data analysis, and communication skills. Students will be able to apply skills in laboratory techniques and knowledge of the scientific method to analyze scientific problems and to create their own scientific investigations. They will also be able to critically evaluate scientific literature according to established scientific criteria.

Popular career paths for those majoring in Biology include healthcare (medical, dental, veterinary schools), research and laboratory positions, environmental conservation and policy, and biotechnology and pharmaceuticals.

Degree Requirements

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

Major Requirements (42 credits)

Core Courses

BIOL 1011	Principles of Biology I Lecture	3
BIOL 1012	Principles of Biology II Lecture	3
BIOL 1013	Principles of Biology I Lab	1
BIOL 1014	Principles of Biology II Lab	1
CHEM 1045	General Chemistry Lecture	3
CHEM 1046	General Chemistry II Lecture	3
CHEM 1047	General Chemistry II Lab	2

Complete two of the following:

COMP 1001	Introduction to Programming	3
	Or	
COMP 1300	Introduction to Computer Science	4
MATH 1410	Fundamentals of Calculus	4
	Or	
MATH 1412	Calculus I	4
MATH 1413	Calculus II	4
STAT 1021	Introduction to Statistics	3

Complete 20 Advanced BIOL credits:

BIOL 3207	Cell Biology	4
	Or	
BIOL 3521	Molecular Biology	4
BIOL 3513	Genetics	4
	Or	
BIOL 4023	Microbiology	4
	Two (4 credit) lecture/lab courses	8
	Two (2-3 credit) lecture only courses	4-6

Or
One lecture/lab course

4

Biochemistry may count toward the required biology credits.

A maximum of 2 credits in approved Independent Research/Summer Internship may apply towards the Biology major.

Biology Minor

Overview

The Biology minor offers students a solid foundation in the life sciences, complementing a wide range of majors. Through coursework that spans molecular biology, cellular processes, and ecological systems, students gain a broad understanding of biological principles. The program emphasizes analytical thinking, scientific literacy, and hands-on lab experience, preparing students for advanced study or careers in health, research, and science education. With access to faculty-led research and a strong liberal arts framework, the minor supports both academic growth and professional development

Requirements (18-19 credits)

BIOL 1011	Principles of Biology I Lecture	3
BIOL 1012	Principles of Biology II Lecture	3
BIOL 1013	Principles of Biology I Lab	1
BIOL 1014	Principles of Biology II Lab	1
	Two (4 credit) lecture/lab courses	8
	One lecture only course	2 TO 3

Courses cross-listed in the Department of Biology and in Psychology cannot be counted towards the Biology Minor.

Chemistry, BA

Overview

The Chemistry major is a comprehensive program that delves into the study of matter and its interactions. Students explore core areas such as general, organic, inorganic, physical, and analytical chemistry. They develop essential skills in laboratory techniques, problem-solving, research, and scientific communication.

Graduates can pursue diverse careers in pharmaceuticals, environmental science, education, research, and industry. Additionally, students often engage in internships and research projects, which enhance their practical experience and professional development. This major is ideal for those with a curiosity about the natural world and a passion for solving complex problems.

Degree Requirements

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

Requirements (46-47 credits)

CHEM 1045	General Chemistry Lecture	3
CHEM 1046	General Chemistry II Lecture	3
CHEM 1047	General Chemistry II Lab	2
CHEM 1125	Analytical Chemistry	4
CHEM 1213	Organic Chemistry I Lecture	3
CHEM 1214	Organic Chemistry II Lecture	3
CHEM 1215	Organic Chemistry I Lab	2
CHEM 1415	Physical Chemistry I	3
CHEM 1416	Physical Chemistry II	3
CHEM 1937	Seminar in Advanced Chemistry	1
MATH 1412	Calculus I	4
MATH 1413	Calculus II	4
PHYS 1031	Introductory Physics I Lecture	3
	And	
PHYS 1032	Introductory Physics II Lecture	3
	And	
PHYS 1033	Introductory Physics I Lab	1
	And	
PHYS 1034	Introductory Physics II Lab	1
	Or	
PHYS 1051	General Physics I Lecture	3
	And	
PHYS 1052	General Physics II Lecture	3
	And	
PHYS 1053	General Physics I Lab	1
	And	
PHYS 1054	General Physics II Lab	1
	One CHEM course	3 TO 4

Chemistry Minor

Overview

The Chemistry minor provides students with a solid foundation in chemical principles and laboratory techniques. The program includes core courses such as General Chemistry, Organic Chemistry, and Analytical Chemistry, along with electives like Biochemistry and Physical Chemistry. Students develop critical thinking and experimental skills, preparing them for careers in various science-related fields or further studies in chemistry and biochemistry. This program is perfect for those who love to explore the intricacies of matter and its transformations.

Requirements (22-23 credits)

Core Courses

CHEM 1045	General Chemistry Lecture	3
CHEM 1046	General Chemistry II Lecture	3
CHEM 1047	General Chemistry II Lab	2
CHEM 1213	Organic Chemistry I Lecture	3
CHEM 1214	Organic Chemistry II Lecture	3
CHEM 1215	Organic Chemistry I Lab	2

Complete two of the following:

CHEM 1125	Analytical Chemistry	4
CHEM 1376	Biochemistry	3
CHEM 1415	Physical Chemistry I	3
CHEM 1416	Physical Chemistry II	3

Childhood Education, BA

Overview

The SCW Education Major offers two program options which are designed to lead to NYS initial certification pending completion of education major requirements and NYS requirements for Certification: Early Childhood (EC) majors apply for Initial certification in Early Childhood Education (Birth-Grade 2), Childhood Education (C) majors apply for Initial certification in Childhood Education (Grades 1-6)

The NYS Teacher Certification Exams are not required to graduate from SCW with an Education major. Students should apply to the educator preparation program at the end of their sophomore year. The application is available on the Education Department website under the Resources tab.

Degree Requirements

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

Major Requirements (33 credits)

EDUC 2300	Introduction to Childhood Education	3
EDUC 2301	Language and Literacy in Childhood Education I	3
EDUC 2302	Language and Literacy in Childhood Education II	3
EDUC 2303	Teaching Social Studies	3
EDUC 2304	Math Methods and Curriculum	3
EDUC 2307	Teaching Science in Childhood Schools	3
EDUC 2930	Senior Seminar In Childhood Education	3
EDUC 2940	Childhood Student Teaching	6
EDUC 4003	Education of Exceptional Children	3
	Complete one EDUC course	3

Additional Requirements

Students must complete the following General Education courses:

EDUC 1210	Educational Psychology	3
MATH 1010	Excursions in Mathematics	3
PSYC 1010	Introduction to Psychology	3
PSYC 1107	Developmental Psychology: Life Span	3

Computer Science, BA

Overview

The BA in Computer Science program - Computer and Software Systems will prepare students for employment in various fields of computer science and /or to prepare them to pursue advanced studies in computer science. This will be accomplished by covering fundamentals of theory and practice such that students will have the tools they need to maximize their portfolios of significant coding projects.

Degree Requirements

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

Major Requirements (42-44 credits)

Core Courses

COMP 1300	Introduction to Computer Science	4
COMP 1320	Data Structures	4
COMP 1504	Discrete Structures	3
COMP 2113	Computer Organization	3
COMP 2545	Algorithms	3
COMP 3562	Database Systems	3
COMP 3610	Operating Systems	3
COMP 3640	Programming Languages	3
COMP 3650	Object Oriented Software Design	3
MATH 1412	Calculus I	4
MATH 2105	Linear Algebra	3

Electives

Complete two of the following courses:

COMP 2314	Linux Programming for Data Analysis	4
COMP 2512	Networking and Communications	3
COMP 3770	Natural Language Processing	3
COMP 3780	Web Programming and Development	3
COMP 3921	Applied Machine Learning	3

Computer Science Minor

Overview

The Computer Science minor is designed to provide students with a solid foundation in computational thinking and programming, complementing a wide range of major fields. Students gain hands-on experience through labs and projects, and benefit from the program's proximity to New York City's tech industry, which offers opportunities for internships and networking. This minor is ideal for students pursuing careers in fields where computational skills are increasingly valuable, such as biology, economics, psychology, and the humanities.

Requirements (20 credits)

COMP 1300	Introduction to Computer Science	4
COMP 1320	Data Structures	4
Complete four additional Computer Science (COMP) courses		

Early Childhood Education, BA

Overview:

The SCW Education Major offers two program options which are designed to lead to NYS initial certification pending completion of education major requirements and NYS requirements for Certification: Early Childhood (EC) majors apply for Initial certification in Early Childhood Education (Birth-Grade 2), Childhood Education (C) majors apply for Initial certification in Childhood Education (Grades 1-6).

The NYS Teacher Certification Exams are not required to graduate from SCW with an Education major. Students should apply to the educator preparation program at the end of their sophomore year. The application is available on the Education Department website under the Resources tab.

Degree Requirements

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

Major Requirements (33 credits)

EDUC 2130	Foundations of Early Child Education	3
EDUC 2133	Linguistic Tools and Literacy Development in Young Children	3
EDUC 2134	Language and Literacy in Early Childhood	3
EDUC 2138	The Integrated Curriculum: Mathematics and Science in Early Childhood Education	3
EDUC 2303	Teaching Social Studies	3
EDUC 2890	The Arts in Education	3
EDUC 2935	Senior Seminar in Early Childhood Education	3
EDUC 2945	Early Childhood Student Teaching	6
EDUC 4003	Education of Exceptional Children	3
	Complete one EDUC course	3

Additional Requirements

Students must complete the following General Education courses:

EDUC 1210	Educational Psychology	3
MATH 1010	Excursions in Mathematics	3
PSYC 1010	Introduction to Psychology	3
PSYC 1107	Developmental Psychology: Life Span	3

Economics Minor

Overview

The Economics minor offers students a strong foundation in analytical thinking and decision-making. It is especially valuable for those pursuing careers in law, business, finance, or government, as well as for students planning to pursue graduate studies in economics. Through the study of economic principles, students gain insight into how individuals, households, and organizations make choices in a variety of contexts.

Requirements (18 credits)

Core Courses

ECON 1010	Principles of Economics And	3
ECON 1101	Microeconomic Analysis Or	3
ECON 1201	Macroeconomic Analysis	3

Electives

Complete four of the following courses:

ECON 1177	Game Theory	3
ECON 1201	Macroeconomic Analysis	3
ECON 1221	Money, Banking, and Financial Markets	3
ECON 1421	Econometrics	3
ECON 2531	Health Economics	3
ECON 2601	Financial Economics	3
STAT 1021	Introduction to Statistics	3

Education Minor

Overview

The Education minor provides students with a broad understanding of contemporary educational theory and practice. This program covers key ideas and trends in education, making it ideal for those interested in secondary education, school psychology, or speech therapy. The curriculum emphasizes critical thinking and practical skills, preparing students to address diverse learning needs and contribute meaningfully to educational settings.

Requirements (18 credits)

Introductory Requirements

Complete one of the following courses:

EDUC 2130	Foundations of Early Child Education	3
EDUC 2300	Introduction to Childhood Education	3
EDUC 2807	Literature of Pedagogy	3

Education Requirements

EDUC 2201	Classroom Instruction and Management	3
EDUC 1210	Educational Psychology	3
	Or	
PSYC 1100	Theories of Human Development	3
	Or	
PSYC 1107	Developmental Psychology: Life Span	3

Electives

Complete three of the following courses:

EDUC 2303	Teaching Social Studies	3
EDUC 2807	Literature of Pedagogy	3
EDUC 2890	The Arts in Education	3
EDUC 4932	Topics	3
SOCI 2101	Education and Society	3
	Or complete any EDUC course not required above	3

English, BA

Overview

The English major offers a comprehensive and dynamic curriculum that spans various genres and historical periods. Students engage deeply with literature, creative writing, and media studies, exploring texts from medieval to postmodern times. The program emphasizes critical and theoretical approaches, encouraging students to analyze and interpret diverse modes of expression, including poetry, fiction, nonfiction prose, drama, and film. Through large classes, small seminars, and one-on-one interactions, students develop strong analytical and writing skills, preparing them for careers in diverse fields such as law, education, journalism, advertising, publishing, public relations, technical and professional writing, social work, and the arts.

Students may complete one of three areas of focus: English Literature, Creative Writing, or Media Studies. NOTE: Either ENGL 1100 or ENGL 1200 is a prerequisite for all ENGL courses

Degree Requirements

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

Major Requirements (33 credits)

Core Courses

ENGL 2000	Textual Methods and Theory	3
	Complete one ENGL course	3

Electives

Complete 27 credits of English elective courses

See optional areas of focus below.

English Literature focus:

Choose three ENGL courses meeting the following criteria:

Must include courses from at least two of the three groups below

1. Medieval to Early Modern Literature and Culture 650 BCE to 1660
2. Enlightenment to the Rise of National Literatures 1660 to 1870
3. 1870 to Present

Complete seven ENGL courses meeting the following criteria:

Five to seven of these courses must be from groups A-E (below). A course in methods from D (Literature and Other Disciplines) or E (Literary Theory and Practice) is recommended. In lieu of literature courses, two courses may be chosen from creative writing and/or media studies.

1. World Literature
2. Literary Genres
3. Special Topics in Literature
4. Literature and Other Disciplines

5. Literary Theory and Practice

- Creative Writing courses (up to two allowed)
- Media Studies courses (only one allowed)

Creative Writing focus:

Choose two ENGL courses meeting the following criteria:

Must include courses from at least two of the three groups below

1. Medieval to Early Modern Literature and Culture 650 BCE to 1660
2. Enlightenment to the Rise of National Literatures 1660 to 1870
3. 1870 to Present

Choose three ENGL courses meeting any of the following criteria:

1. World Literature
2. Literary Genres
3. Special Topics in Literature
4. Literature and Other Disciplines
5. Literary Theory and Practice

Complete four ENGL courses:

ENGL 1800	Introduction to Creative Writing	3
ENGL 1900	Advanced Creative Writing	3
	Complete two ENGL courses in Creative Writing	6

Media Studies focus:

Complete four ENGL courses meeting the following criteria:

- Complete one course from Historical category
- Complete one course from Topics, Methods category
- Complete one course from either Historical category or Topics, Methods category
- Complete one course from Creative Writing, Historical category or Topics, Methods category

Required

- Complete five ENGL courses in Media Studies
- Complete one ENGL course as an open elective

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 (15 credits)

ENGL 2000	Textual Methods and Theory	3
Complete four ENGL courses		

Complete four ENGL courses: From Media Studies, literature, and/or Creative Writing.

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, Stern College General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (33 credits)

Core Courses

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

Complete two of the following courses:

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

Electives

Complete six courses in HIST 2000-4999

(Up to 12 credits in Jewish History JHIS, 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)

Core Courses

HIST 1101	The Emergence of Europe	3
HIST 1102	The Transformations of Europe, 1648-1989	3

Electives

Complete four History (HIST) courses. At least one of which must be in American History.

Jewish Studies, BA

Overview

A Jewish Studies major provides an interdisciplinary approach to understanding Jewish history, culture, religion, and thought from antiquity to the present day. It combines coursework in humanities and social sciences to explore Judaism as a civilization and culture, encompassing topics such as Jewish languages, literature, politics, and sociology. The major encourages critical thinking, comparative analysis, and a deep understanding of Jewish identity and its complex relationship with other cultures and global contexts.

Degree Requirements

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

Major Requirements (24 credits)

Jewish Studies students must complete 24 credits of advanced level Jewish Studies beyond those used to meet the Jewish Studies requirements. Major courses may be taken only in 1 or 2 areas of focus (BBLE/BIBL, JUDS, JHIS, and JPHI).

Bible (BBLE/BIBL)

Complete one course in medieval or modern exegetical methods (e.g., BBLE 4120-4180; BIBL 1081-1097)

Complete one course in a specific book of Tanakh

Judaic Studies (JUDS)

Complete one text-based course (JUDS 1510-1512; 1531-1534; 1839-1854; 1871-1874)

Complete one development of halakhah course

Jewish History (JHIS)

Complete one course from the ancient or medieval period

Complete one course from the modern period

Jewish Philosophy (JPHI)

Complete one course from the medieval period

Complete one course from the modern period

Jewish Studies Minor

Overview

Students must complete fifteen credits in Jewish Studies beyond the Jewish core requirements.

Requirements (15 credits)

Complete from one or two areas of focus: BBLE/BIBL, JUDS, JHIS, and JPHI.

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, Stern College 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

MATH 1412	Calculus I	4
MATH 1413	Calculus II	4
MATH 1510	Multivariable Calculus	4
MATH 2105	Linear Algebra	3
MATH 2461	Probability Theory	3

Pure and Applied Mathematics Concentration Requirements

MATH 1504	Discrete Mathematics and Applications	3
MATH 1520	Advanced Calculus I	3
MATH 2601	Ordinary Differential Equations	3

And

Complete four of the following courses:

MATH 1521	Advanced Calculus II	3
MATH 1540	Functions of a Complex Variable	3
MATH 2170	Topology	3
MATH 2215	Modern Algebra	3
MATH 2462	Mathematical Statistics	3
MATH 2611	Partial Differential Equations	3

And

Complete one course (3 - 4 credits) from the following areas:

COMP 1000-4999	Artificial Intelligence
COMP 1000-4999	Computer Science

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

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

Computational Mathematics Concentration Requirements

MATH 2462	Mathematical Statistics	3
MATH 2601	Ordinary Differential Equations	3
MATH 2651	Numerical Methods	3
	And	
	Complete four of the following courses:	
COMP 1300	Introduction to Computer Science	4
COMP 1320	Data Structures	4
COMP 1504	Discrete Structures	3
COMP 2545	Algorithms	3
COMP 3920	Machine Learning	3
	And	
	Complete one course (3 - 4 credits) from the following areas:	
COMP 1000-4999	Artificial Intelligence	
COMP 1000-4999	Computer Science	
IDS 1500-4999	Data Analytics and Visualization	
MATH 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

MATH 2462	Mathematical Statistics	3
MATH 2601	Ordinary Differential Equations	3
MATH 2901	Mathematics of Finance	3
	And	
	Complete four of the following courses:	
ACC 1001	Accounting Principles I	3
ACC 1002	Accounting Principles II	3
ECON 1010	Principles of Economics	3
ECON 1101	Microeconomic Analysis	3
ECON 1201	Macroeconomic Analysis	3
ECON 1421	Econometrics	3
ECON 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:	
COMP 1000-4999	Artificial Intelligence	
COMP 1000-4999	Computer Science	
IDS 1500-4999	Data Analytics and Visualization	
MATH 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 offers students a rigorous and flexible program that enhances analytical thinking and problem-solving skills. It includes core coursework in calculus, linear algebra, and other foundational areas, with options to explore advanced topics such as abstract algebra, real analysis, and statistics. This minor is an excellent complement to majors in the sciences, economics, computer science, and pre-health fields, providing a strong quantitative background that supports both academic and professional goals.

Requirements (21 credits)

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

Music, BA

Overview

The study of music has been at the heart of the humanities since the beginning of the Common Era. The Music major at Stern College for Women offers courses designed to give students, in any field, experience with the pleasures of music study and performance. Courses teach the basic tools of music theory (counterpoint, harmony, and analysis), knowledge of music history, and some experience in composition.

Performance in chamber ensembles and chorus is encouraged. Majors should meet with the Department Chair to discuss their area of concentration, to plan a course of study, and to learn about earning credit through study of an instrument with a private instructor.

This program supports students in developing both their creative and analytical abilities, offering a strong foundation for a variety of professional and academic paths in the musical arts and beyond.

Degree Requirements

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

Major Requirements (30 credits)

Core Courses

MUSI 1111	The Sense of Music	3
MUSI 1350	Baroque and Classical Music History	3
MUSI 1351	Romantic and Modern Music History	3
MUSI 2011	Elementary Ear Training I	1
MUSI 2012	Elementary Ear Training II	1
MUSI 2105	Music Fundamentals	2
MUSI 2111	Music Theory I	3
MUSI 2112	Music Theory II	3
MUSI 2113	Music Theory III	3
MUSI 2120	Introduction to Composition I	3

Electives

Complete participation in chamber ensemble and/or the chorus	5
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Music Minor

Overview

The Music minor offers students a rich and immersive experience in music theory, history, and performance. The program encourages students to explore various musical genres and periods, from classical to contemporary, while developing their skills in composition and analysis. Participation in chamber ensembles, chorus, and jazz band is highly encouraged, providing practical experience and fostering a deep appreciation for the art of music. This minor is perfect for those looking to enhance their musical talents and pursue careers in arts-related fields.

Requirements (20 credits)

Core Courses

MUSI 1111	The Sense of Music	3
MUSI 2105	Music Fundamentals	2
MUSI 2011	Elementary Ear Training I	1
MUSI 2012	Elementary Ear Training II	1
MUSI 2111	Music Theory I	3
MUSI 2112	Music Theory II	3

Electives

Complete seven credits (including at least one Music history course and participation in a chamber ensemble and/or the chorus)	7
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Philosophy, BA

Overview

The Philosophy major is an exploration into philosophical inquiry, covering key areas 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 fields such as law, medicine, business, and academia, among others.

Degree Requirements

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

Major Requirements (30 credits)

Ethics and Value Theory Requirements

Complete one of the following courses:

PHIL 1600	Ethics	3
PHIL 1401	Great Political Thinkers: Introduction to Political Thought	3
PHIL 2407	Epidemiology	3
PHIL 2532	Philosophy of Art	3
PHIL 3100	Theories of Justice	3
PHIL 3300	Just and Unjust Wars	3
PHIL 3402	Philosophy of Law	3
PHIL 3500	Medical Ethics	3
PHIL 3620	Environmental Ethics	3
PHIL 4930	Special Topics in Philosophy	3
PHIL 4931	Advanced Topics in Philosophy	3

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

History of Philosophy Requirements

Complete one of the following courses:

PHIL 2170	Ancient and Medieval Philosophy	3
PHIL 2420	Modern Philosophy	3
PHIL 2560	Philosophy in the 19th and 20th Centuries	3
PHIL 4930	Special Topics in Philosophy	3
PHIL 4931	Advanced Topics in Philosophy	3

PHIL 4930 and PHIL 4931 are applicable to this requirement when the topic is approved as relevant to History of Philosophy.

Electives

Complete any eight additional PHIL courses from the categories above and/or the following:

PHIL 1100	Logic	3
PHIL 1320	Theories of the Mind	3
PHIL 1360	Theory of Knowledge	3
PHIL 1710	Religion and Philosophy	3
PHIL 2405	Classical Political Theory	3
PHIL 2407	Epidemiology	3
PHIL 2532	Philosophy of Art	3
PHIL 2740	Science and Religion	3
PHIL 4930	Special Topics in Philosophy	3
PHIL 4931	Advanced Topics in Philosophy	3

Six credits in JPHI courses (in excess of the Jewish Studies requirements) may be taken as electives, with approval.

Philosophy Minor

Overview

The Philosophy minor offers students a gateway to philosophical exploration, delving into essential areas like ethics, logic, metaphysics, and political philosophy. The curriculum features courses that examine the history of philosophy, influential thinkers, and specific philosophical challenges, promoting critical thinking and thorough analysis. Students develop the ability to express complex ideas with clarity and precision, equipping them for diverse careers in law, medicine, business, academia, and beyond.

Requirements (15 credits)

Three credits with approval may be completed in JPHI courses (in excess of the Jewish Studies requirements).

Physical Sciences, BA

Overview

The Physical Science major is designed for students interested in pursuing careers in engineering or specific scientific fields. This interdisciplinary program allows students to tailor their studies by choosing concentrations in areas such as chemistry, electrical engineering, mechanical engineering, biology, or computer science. The curriculum emphasizes a strong foundation in the fundamental principles of physical sciences, combined with practical skills and knowledge necessary for the competitive job market or further academic pursuits.

Students benefit from a collaborative learning environment, engaging in hands-on projects and research opportunities that enhance their understanding of physical phenomena and their applications. The program prepares graduates for diverse career paths, including roles in industry, research, and academia, as well as for admission to competitive master's and PhD programs.

Degree Requirements

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

Major Requirements (51-52 credits)

Core Courses

CHEM 1045	General Chemistry Lecture	3
COMP 1300	Introduction to Computer Science	4
ECON 1010	Principles of Economics	3
MATH 1412	Calculus I	4
MATH 1413	Calculus II	4
MATH 1510	Multivariable Calculus	4
MATH 2105	Linear Algebra	3
MATH 2601	Ordinary Differential Equations	3
PHYS 1051	General Physics I Lecture	3
PHYS 1052	General Physics II Lecture	3
PHYS 1053	General Physics I Lab	1
PHYS 1054	General Physics II Lab	1
PHYS 2051	General Physics III	4
PHYS 2052	General Physics IV	3

Electives

Complete three courses related to the field of interest: Chemistry, Electromagnetism, Mechanics, and Computer Science or Biology. At least one course should be a senior level course. Students must meet with the department chair to design their elective program.

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, Stern College General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (51 credits)

Core Courses

PHYS 1051	General Physics I Lecture	3
PHYS 1052	General Physics II Lecture	3
PHYS 1053	General Physics I Lab	1
PHYS 1054	General Physics II Lab	1
PHYS 2051	General Physics III	4
PHYS 2052	General Physics IV	3
PHYS 4221	Classical Mechanics	3
PHYS 4321	Electromagnetic Theory	3
PHYS 4510	Statistical Mechanics	3
PHYS 4621	Quantum Mechanics	3
PHYS 4810	Advanced Physics Laboratory	3

Mathematics Requirements

MATH 1412	Calculus I	4
MATH 1413	Calculus II	4
MATH 1510	Multivariable Calculus	4
MATH 2105	Linear Algebra	3

Electives

Complete six credits from the following:

COMP 1300	Introduction to Computer Science	4
ENGR 2001	Engineering Foundations	1 TO 2
MATH 2601	Ordinary Differential Equations	3
MATH 2651	Numerical Methods	3
PHYS 1340	Computational Methods in Scientific Research	3

Note: MATH 2601 is highly recommended, but not required.

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 (18 credits)

Core Courses

PHYS 1051	General Physics I Lecture	3
PHYS 1052	General Physics II Lecture	3
PHYS 1053	General Physics I Lab	1
PHYS 1054	General Physics II Lab	1
PHYS 2051	General Physics III	4
PHYS 2052	General Physics IV	3

Electives

Complete one of the following courses:

PHYS 1340	Computational Methods in Scientific Research	3
PHYS 4221	Classical Mechanics	3
PHYS 4321	Electromagnetic Theory	3
PHYS 4510	Statistical Mechanics	3
PHYS 4810	Advanced Physics Laboratory	3

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, 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 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 concentrations 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, Stern College General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (33 credits)

Core Courses

Complete three of the following courses:

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

It is advised to complete the introductory courses by the end of the first semester of the junior year.

Subfield Electives

Complete one course from each of the following topic areas:

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

A fourth introductory-level course may be taken as a subfield elective, with the exception of POLI 1501 Fundamentals of Political Science.

Political Science Electives

Complete four courses in any subfield of Political Science:

POLI 1000-4999

Students may use up to two courses cross-listed with other departments toward their elective requirements.

Students may also take one internship (POLI 4741) to count towards the elective requirement.

Concentrations

Students choosing to attain an optional concentration must complete five courses from one of the following tracks:

American Politics and Policy

POLI 1101	Introduction to American Politics	3
POLI 1501	Fundamentals of Political Science	3
POLI 2100	The American Presidency	3
POLI 2105	Congress and Legislative Process	3
POLI 2121	Political Psychology	3
POLI 2135	Voting and Elections	3
POLI 2145	Constitutional Law	3
POLI 2160	Social Movements	3
POLI 2165	Women and Politics	3
POLI 2170	Media and Politics	3
POLI 2175	Race and Religion in American Politics	3
POLI 2185	Power and Public Policy	3
POLI 2190	Topics in American Politics	3
POLI 2505	Writing Social Science	3
POLI 3560	Political Game Theory	3
POLI 3575	Research Methods	3

Comparative Political Studies

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

International Affairs and Security Studies

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

Law and Justice

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

To complete the Political Science minor, students must earn a total of 18 credits, consisting of two core courses (6 credits), three subfield courses (9 credits), and one POL elective (3 credits).

Core Courses

Complete two of the following courses:

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

Subfield Electives

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

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

Political Science Electives

Complete one course in any subfield of Political Science:

POLI 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

Students interested in engineering may pursue the Pre-engineering major through the Combined Plan in Engineering with Columbia University School of Engineering or opt for a related major in Physics, Physical Sciences, Biology, Chemistry, Computer Science or Mathematical Sciences.

The Pre-engineering major is open to students who enter SCW with sufficient AP credits so that they can complete the major, general education, and reduced Jewish Studies requirements in 3 years-either one year in Israel and two years at SCW, or three years at SCW. Students can complete this course of study within the time frame not only through sufficient AP credits but also by taking summer courses, with Chemistry being a popular choice.

Pre-engineering majors must continue their studies through the Combined Program at Columbia University (BS). Students who do not continue at Columbia, must complete a total of 6 semesters of Core and change their major (e.g., Physical Sciences or a Shaped Major) to receive the BA degree from SCW.

To be eligible to apply for admission to Columbia through the Combined Program in Engineering, Pre-engineering majors must meet the SCW graduation requirements, other than the 128 credits, as well as all Columbia requirements listed in the Columbia Combined Plan Guide (available at the Academic Advisement Center). Provided that they maintain a 3.3 GPA overall with no grade lower than a B in courses required by Columbia and receive the recommendation of the pre-engineering advisor,

Students enrolled at YU prior to Fall 2019 are guaranteed admission to the two-year program at Columbia. For students who enroll in YU beginning with Fall 2019, admission will be competitive with Columbia reserving the right to admit students based upon criteria such as GPA in Columbia-required courses, overall GPA, recommendations, etc.

If admitted, students should file a Maintenance of Matriculation Form at SCW.

After successfully completing the two-year program at Columbia students file for a BA from YU, and a BS from Columbia.

Students interested in the Columbia Program (BS) should meet with Dr. Ed Berliner.

Degree Requirements

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

Major Requirements (40 credits)

Core Courses

CHEM 1045	General Chemistry Lecture	3
COMP 1300	Introduction to Computer Science	4
ECON 1010	Principles of Economics	3
MATH 1412	Calculus I	4
MATH 1413	Calculus II	4
MATH 1510	Multivariable Calculus	4
PHYS 1051	General Physics I Lecture	3
PHYS 1052	General Physics II Lecture	3
PHYS 1053	General Physics I Lab	1
PHYS 1054	General Physics II Lab	1

Complete the Columbia Combined Plan Requirements for each Engineering Field.

Applied Math
Applied Physics
Biomedical Engineering

Chemical Engineering
Civil Engineering
Computer Engineering
Computer Science
Electrical Engineering
Material Science Engineering
Mechanical Engineering
Operations Research

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, Stern College General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (37-40 credits)

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

Core Courses

PSYC 1010	Introduction to Psychology	3
STAT 1021	Introduction to Statistics	3
PSYC 1107	Developmental Psychology: Life Span	3
PSYC 2100	Experimental Psychology Lecture	3
PSYC 2120	Experimental Psychology Lab	1
PSYC 2150	Cognitive Psychology	3
PSYC 3105	Social Psychology	3
PSYC 2414	Abnormal Psychology	3

General Psychology Track

Complete one of the following courses:

PSYC 2140	Learning	3
PSYC 3804	Psychobiology	3

And

Complete any additional four PSYC courses

Neuroscience Track

PSYC 3804	Psychobiology	3
PSYC 3810	Behavioral Neuroendocrinology	3
PSYC 3815	Cognitive Neuroscience	3
Complete any additional three PSYC courses		

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 (19 credits)

PSYC 1010	Introduction to Psychology	3
PSYC 1107	Developmental Psychology: Life Span	3
PSYC 2100	Experimental Psychology Lecture	3
PSYC 2120	Experimental Psychology Lab	1
PSYC 3105	Social Psychology	3
PSYC 2150	Cognitive Psychology	3
	Or	
PSYC 2414	Abnormal Psychology	3
STAT 1021	Introduction to Statistics	3

Public Health Minor

Overview

The Public health minor provides students with a foundational understanding of key public health principles and practices. The curriculum includes courses in epidemiology, health policy, environmental health, and biostatistics, equipping students with the skills to analyze and address health issues at the community and population levels. 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)

Core Courses

PUB 2407	Epidemiology	3
PUB 3610	Public Health	3
STAT 1021	Introduction to Statistics	3

Electives

Complete three of the following courses:

BIOL 3221	Nutrition	3
BIOL 4023	Microbiology	4
ECON 2531	Health Economics	3
PHIL 3500	Medical Ethics	3
PHIL 3620	Environmental Ethics	3
PSYC 2414	Abnormal Psychology	3
PSYC 3165	Human Sexuality	3
SOCI 1950	Sociology of Food	3
SOCI 2402	Health and Society	3
SOCI 2405	Health and Social Policy	3
SOCI 2406	Social Determinants of Health	3

Shaped Major

Overview

The Shaped Major is meant to allow students to pursue in-depth, intensive work in a particular area of intellectual interest. For most students, the traditional departmental majors, which focus within a discipline, meet this goal. However, some students may have interests that cross disciplines but share a common intellectual theme toward the achievement of a stated goal.

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. Students must also 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, Stern College 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.

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 Sociology, students must complete a minimum of 128 credits including major requirements, Stern College General Education and Jewish Studies requirements, and elective courses as needed.

Major Requirements (30 credits)

Core Courses

SOCI 1001	Introduction to Sociology	3
SOCI 3002	Social Theory	3
SOCI 3003	Methods of Social Research	3

Electives

Complete any seven courses within the following range: SOCI 1000-4999.

SOCI 2101	Education and Society	3
SOCI 2104	Media and Society	3
SOCI 2210	The Family	3
SOCI 2301	Criminology	3
SOCI 2302	Sociology of Deviance	3
SOCI 2305	Violence, Schools and Education	3
SOCI 2311	Social Inequality	3
SOCI 2401	Medical Sociology	3
SOCI 2402	Health and Society	3
SOCI 2403	Introduction to Public Health	3
SOCI 2405	Health and Social Policy	3
SOCI 2406	Social Determinants of Health	3
SOCI 2407	Epidemiology	3
SOCI 2601	Introduction to Anthropology	3
SOCI 2611	Cultural Anthropology	3
SOCI 2621	Introduction to Archaeology	3
SOCI 2625	Archaeology of Israel	3
SOCI 2626	Archaeology Fieldwork	3
SOCI 2801	Political Sociology	3
SOCI 2802	Social Movements	3

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)

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

Speech Pathology/Audiology, BA

Overview

The Speech Pathology and Audiology Program at Stern College for Women is designed to prepare students for advanced graduate programs in speech pathology and audiology, with the goal of qualifying for national certification and appropriate licenses so that they may help children and adults with speech, language, voice, swallowing, balance and hearing disorders.

Speech pathology and audiology professionals work closely with their clients and families who have a range of communication disorders, from varying degrees and etiologies of hearing loss, developmental speech, language, learning and processing delays as well as acquired disorders of balance, speech production, language and memory loss.

The coursework follows a natural progression from basic sciences to clinical coursework introducing the tools for evaluative and rehabilitative strategies. Courses include a unique combination of introductory sciences, developmental stages, clinical knowledge and techniques as well as client counseling needed for preparation for graduate school and clinical practice.

Degree Requirements

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

Major Requirements (36 credits)

The SPAU major operates within a cohort model and must be completed in a prescribed course sequence over the course of four semesters. SPAU 3000 can be taken prior to or in the first semester of the sequence.

Required Courses

SPAU 3000	Survey of Communication Disorders	3
SPAU 3001	Development of Speech and Language	3
SPAU 3009	Anatomy and Physiology of Speech and Hearing	3
SPAU 3015	Introduction to Speech Science	3
SPAU 3031	Audiology	3
SPAU 3112	Phonetics	3
SPAU 3201	Language Disorders	3
SPAU 3205	Speech Disorders	3
SPAU 3210	Counseling for Health Care Professionals	3
SPAU 3320	Aural Rehabilitation	3
SPAU 3938	Clinical Methods	3
SPAU 3999	Professional Issues in Communication Sciences and Disorders	3

Recommended Courses

The first four courses listed below are highly recommended, as they are required for application to CSD graduate programs and for ASHA CCC certification. These courses also fulfill general education requirements at Stern College.

STAT 1021	Introduction to Statistics	3
PSYC 1010	Introduction to Psychology	3
BIOL 1006	Human Genetics	3
	One Physical Science Course (CHEM, PHY)	4
SPAU 4925	Topics in Speech Pathology and Audiology	3

Shaped Major in Studio Art, BA

Overview

Students may elect a Shaped Major with emphasis on art history, studio art, pre-architecture, graphic design or art therapy. See Shaped Majors.

Degree Requirements

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

Major Requirements (40 credits)

Studio Courses

ARTS 2201	Principles of Design	3
ARTS 2301	Principles of Drawing	3
ARTS 2511	Painting Fundamentals	3
ARTS XXXX	Four elective courses in student's area of emphasis	12
ARTS XXXX	Three additional elective courses	

Art History Courses

ARTS 1051	History of Art I	3
ARTS 1052	History of Art II	3
ARTS XXXX	Art History elective	3

Exit Requirement

ARTS 4974	Pre-Senior Project	
ARTS 4975	Senior Project	1

[Click here for additional opportunities with FIT.](#)

Studio Art Minor

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 Shaped Minor will include an overview course and a minimum of 15 credits.

Overview

Students may elect a Studio Art Minor with emphasis on art history, studio art, pre-architecture, graphic design or art therapy.

Requirements (15 credits)

Art History Courses

Complete one of the following:

ARTS 1050	Introduction to Art	3
ARTS 1051	History of Art I	3
ARTS 1052	History of Art II	3

Studio Art Courses

Complete four additional Studio Art courses.

[Click here for additional opportunities with FIT.](#)

Women’s Studies Minor

Overview

The Women's Studies minor offers an interdisciplinary exploration of gender, culture, and society. Students engage with diverse topics such as feminist theory, women's history, and gender roles, gaining a comprehensive understanding of the complexities of gender dynamics. The program emphasizes critical thinking and analytical skills, preparing students for careers in fields like education, social work, public policy, and advocacy.

Requirements (15 credits)

ENGL 2901	Introduction to Women's Studies: Theory and Practice	3
	Complete from among designated courses in the departments of Art, English, Jewish Studies, Psychology, and Sociology	12

Writing Minor

Overview

The Writing minor is open to all majors and offers students the opportunity to develop and practice a variety of writing skills.

Requirements (15 credits)

ENGL 1501-1920	English Electives	15
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Students may choose from among courses in journalism, TV writing, screenwriting, academic essay writing, creative writing, business writing, and blogging.

Course	Title	Credits	Description
ARTS 1050	Introduction to Art	3	A study of selected masterpieces of Western civilization in painting, sculpture, and architecture, from antiquity to the 20th century. For non Majors. Not open to those who took ARTS 1051 or ARTS 1052.
ARTS 1051	History of Art I	3	Introduction to the history of art and architecture of the West. Topics include ancient Egypt, Mesopotamia, Greece, Rome; the early medieval world; the Romanesque, Gothic, and early Renaissance periods. For Majors and non Majors. Not open to students who have taken ARTS 1050.
ARTS 1052	History of Art II	3	Introduction to the history of art and architecture of the West. Topics include mid Renaissance through early 20th century, with emphasis on style and expression in the work of selected artists. For Majors and non Majors. Not open to students who have taken ARTS 1050.
ARTS 1350	Baroque Art	3	Survey of Baroque painting, sculpture, and architecture of 17th century Europe.
ARTS 1431	Early Nineteenth Century Art	3	History of art and architecture from late 18th century to the mid-19th century. Emphasis on Neoclassicism and Romanticism.
ARTS 1432	Late 19th Century Art	3	History of art and architecture from the middle to the end of the 19th century. Emphasis on Realism, Impressionism, and Post-Impressionism. Prerequisite(s): ARTS 1050 or 1050H or 1051 or 1052 or permission of the instructor.
ARTS 1451	Early-20th-Century Art.	3	History of art and architecture from 1900 to the 1940s. Emphasis on Modernism and the historical avant-gardes. For Majors and non Majors.
ARTS 1452	Late 20th Century Art	3	History of art and architecture from the middle to the end of the 20th century. Emphasis on Modernism and post-Modernism.
ARTS 1471	Contemporary Art	3	History of art from the late 20th century to the early 21st century. Emphasis on globalization, new media, and the institutions of the art world.
ARTS 1613	American Art	3	Survey of American painting, sculpture, and architecture from the colonial period until the present.
ARTS 1635	Evolution of the Skyscraper	3	The great buildings of New York City from the 19th to 21st centuries, and concepts and styles of urban design and civic planning within social and cultural contexts; field studies.
ARTS 1637	Architecture of NYC	3	The architecture of New York, its building types, and various styles. Site visits and study in light of the history of the city, significant social and economic events, and patrons responsible for commissions.
ARTS 1645	History of Photography	3	Survey of the history of photography from its origins to the present. Topics covered may include photography as technology, its use in mass media, and its legitimization as an art. Special focus on the theory and history of the medium of photography and its rise to prominence in contemporary artistic practice.
ARTS 1750	Philosophy & Criticism of Art	3	This course examines key philosophical issues in the history of art, together with influential critical approaches to art, its meaning and reception in society. Important texts from classical antiquity to contemporary culture develop students critical skills in analysis of art and its surrounding issues.
ARTS 1924	Jewish Art & Visual Culture	3	Selected topics in the history of Jewish art from antiquity to the present.
ARTS 1973	Topics in Art History	3	May be repeated, as subject matter varies from term to term. Some courses offered abroad. Interpreting Literature and the Arts. For Majors and non Majors.
ARTS 1974	Topics in Art History	3	May be repeated, as subject matter varies from term to term. Some courses offered abroad.
ARTS 1975	Topics in Art History	3	May be repeated, as subject matter varies from term to term. Some courses offered abroad.
ARTS 1976	Topics in Art History	3	May be repeated, as subject matter varies from term to term. Some courses offered abroad.
ARTS 1977	Topics in Art History	3	May be repeated, as subject matter varies from term to term. Some courses offered abroad.
ARTS 1985	Seminar in Art History	3	Students develop research skills employing various methodologies used in the study of art history. Oral and written reports are presented on works of art in New York collections. Prerequisite(s): required for seniors; open to others with permission.
ARTS 1990	Senior Thesis	1	Exit paper combining research and original scholarship. The paper normally stems from work done in Seminar in Art History.
ARTS 2201	Principles of Design	3	Elements and principles of two-dimensional visual expression, such as line, space, color, and shape, with emphasis on compositional movement. Studio projects, weekly sketchbook assignments and written art reviews. Foundations level course to be taken early in the Studio Art sequence. Required for Studio Art Majors
ARTS 2205	Color	3	Introduction to the study of color and the role it plays in design and art. Fundamental concepts such as color interaction, expressive color, color physics, spectral color and surface color will be explored through a series of hands-on projects in a variety of media including acrylic painting.
ARTS 2286	Watercolor	3	Instruction in the practice of watercolor painting methods and materials with projects including still life, portrait, landscape and non-objective formats. Basic techniques covered include wash, wet into dry, wet into wet, masking, glazing and others. No prerequisite, but drawing and/or painting experience is helpful.
ARTS 2301	Principles of Drawing	3	Introduction to basic drawing skills via study of the still life and clothed model. Fundamental drawing concepts including: Perspective, effective use of line, mass and value are explored through diverse graphic media. Foundations level course to be taken early in the Studio Art sequence. Required for Studio Art Majors
ARTS 2303	Intermediate Drawing	3	Extension and application of basic skills acquired in ARTS 2301. Continued exploration of drawing as an expressive medium through traditional and non-traditional formats and a variety of media. Projects include still life, live model, portrait and drawing from imagination. Prerequisite(s): ARTS 2301 or equivalent.
ARTS 2304	Advanced Drawing	3	Extension and application of skills acquired in ARTS 2303 or equivalent. Cultivation of drawing disciplines, encouragement of original thinking, and development of individual style. This course may be taken a second time for credit. Prerequisite(s): ARTS 2303 or equivalent.
ARTS 2305	Portrait Drawing	3	Drawing the portrait through study of the human head in terms of anatomy, proportion, and expression. Resources include the live model, photographs, and master drawings. Traditional and innovative approaches explored; applications of various media, monochromatic and color.

ARTS 2306	Drawing on New York	3	An offsite drawing course that uses such sites as Bryant Park, the East River, and alternative interior sites as subjects for drawings in a variety of media. Prerequisite(s): ARTS 2301.
ARTS 2308	Portrait	3	This course will explore issues of identity in relation to perception and the role of the artist in reinventing and interpreting these perceptions. How does the artist impact the story being told and how this is communicated to the viewer? Prerequisite(s): ARTS 2201 or ARTS 2301 or ARTS 2511 or permission of instructor.
ARTS 2511	Beginning Painting	3	Introduction of basic acrylic painting techniques. Fundamental concepts and skills including color mixing, use of tools and media, rendering form, spatial relationships and composition will be covered through a variety of projects, primarily from the still life. Foundations level course to be taken early in the Studio Art sequence. Required for Studio Art majors.
ARTS 2513	Intermediate Painting	3	Introduction of oil painting techniques through hands-on projects. An opportunity for students to develop their visual voice. Prerequisite(s): ARTS 2511 or permission of instructor.
ARTS 2515	Advanced Painting	1 TO 3	Extended study of painting as an expressive medium with a focus on formal and conceptual development. Use of oil, acrylic, and mixed media. Intended for the mature exploratory painter. Prerequisite(s): ARTS 2513.
ARTS 2700	3D Design	3	A study in the fundamentals of Three-Dimensional composition as used by architects, artists, and designers to successfully create products, objects, spaces and experiences. Introduction of basic three-dimensional processes and materials and development of the students' ability to analyze form and space relationships as well as the various intersections of structure, form, and meaning. Recommended for students in Pre-Architecture and Interior Design concentrations
ARTS 2701	Sculpture	3	Concepts of modern sculpture explored through specific hands-on projects including: Carving, modeling, casting, and assemblage.
ARTS 2702	Advanced Sculpture	3	Focus on more sophisticated use of concepts from Sculpture. Prerequisite(s): ARTS 2701 or permission of instructor.
ARTS 2703	Model Making	3	This course focuses on model making and its implementation as a three-dimensional communication tool in application to various design disciplines. Starting with scale drawing as a foundation, and with an emphasis on materials and techniques, the entire design and construction process will be explored from sketch models through finished color renditions.
ARTS 2705	Design Drawing	3	Drawing as a practical method used by designers, filmmakers, architects, concept artists, product designers, engineers, and scientists for brainstorming and working through 2D and 3D design problems. This course will help you develop the skills and confidence to communicate ideas spontaneously as a means of rapid visualization for design development purposes as well as formally in finished presentation drawings and renderings. Prerequisite(s): ARTS 2201 or ARTS 2301 or ARTS 2511; or permission of instructor.
ARTS 2831	Creativity and Innovation	3	Series of open-ended two and three-dimensional projects utilizing new materials and encouraging innovation, experimentation, and creativity.
ARTS 2850	Mixed Media	3	Exploration of artistic disciplines that encourage combinations of media and technique, such as: assemblage, artist books and zines, installation, collage (both digital and analog), wearable art and performance. Students will be encouraged to explore unfamiliar combinations of media to further develop their visual vocabulary and to discover processes that can provoke innovation in their own artistic practice. Established studio approaches will be combined with digital processes.
ARTS 2901	Printmaking	3	Introduction to a variety of printmaking techniques: including relief, intaglio, monotype and serigraphy with an emphasis on contemporary practices and materials.
ARTS 2902	Advanced Printmaking	3	Advanced projects in printmaking; exploration of additional media and techniques. Prerequisite(s): ARTS 2901.
ARTS 3009	Intro Computer Design	3	Students acquire a basic proficiency in the software programs essential to graphic design and visual communication: Adobe Photoshop, Illustrator and InDesign. This course is the prerequisite for several intermediate level design courses and should be taken early in the Studio Art sequence.
ARTS 3012	Digital Photography	3	An introduction to the fundamentals of digital photography. Basic camera operation, editing images, lighting and composition will be covered. Adobe Photoshop, Lightroom and other software are utilized to explore possibilities for image correction, manipulation and output.
ARTS 3013	Intermediate Design	3	Extensive study of graphic design principles with a concentration on research, process and experimentation. Focusing on visual communication, students will familiarize themselves with the graphic design process through a range of projects for both print-based media and the screen. Emphasis on applying the appropriate software and tools to more complex and comprehensive design challenges. Prerequisite(s): ARTS 2201 and ARTS 3009 with permission of instructor.
ARTS 3014	Typography	3	Introduction to the fundamentals of typography: Typographic terms and technologies, compositions and systems. Projects utilize hand-made studio processes as well as computer technology. Focus on typography as an expressive medium that can create and support content through a variety of projects. Prerequisite(s): ARTS 3009 or permission of instructor.
ARTS 3018	Exhibition Design	3	Study of the process and elements involved in exhibition design. Students will collaborate on the design of the annual Stern Senior Art Exhibition while relevant issues such as exhibition identity, environmental graphics, promotional materials and space planning are discussed. Intended for students interested in graphic design, interior design, architecture or museum studies. Recommended: ARTS 3009.
ARTS 3020	Introduction to Video	3	Introduction to the fundamental techniques and processes of digital video production. Students take projects from concept to completion while learning basics in digital videography and editing with Adobe Premiere, Projects include: Narrative short, music video and documentary.
ARTS 3021	Advanced Video	3	This course builds upon the knowledge and skills acquired in ARTS 3020. Advanced editing techniques, image manipulation tools, compositing, motion graphics and media management are covered. Students create both collaborative and independent video projects. Prerequisite(s): ARTS 3020 or permission of instructor.

ARTS 3025	Intermediate Photography	3	This course builds on the fundamentals acquired in Digital Photography and guides students to an advanced, working understanding of the medium. Students will become well versed in numerous technical approaches to image; hone their analytical skills through lectures, research and gallery visits; as well as learn about the realities of being a professional photographer. Prerequisite(s): ARTS 3012 or permission of instructor.
ARTS 3026	Advanced Photography	3	Extended study of the photographic medium focusing on advanced practices and concepts as well as portfolio development. Prerequisite(s): ARTS 3025.
ARTS 3032	Visual Narrative	3	Introduction of visual storytelling as a means of graphic expression. Using both digital and tactile methods, students will explore techniques in layering, transparency, and compositing images. Through projects including collage/photomontage, fable/children's story, and informative/documentary booklet, students will create original single-frame, multi-frame and sequential narratives. Prerequisite(s): ARTS 3009 or permission of instructor.
ARTS 3036	Information Design	3	An introduction to the basic concepts, methods and procedures of information design. Emphasis will be placed on the exploration of conceptual and visual solutions, and on the creative process of organizing, visualizing and communicating information. Projects focus on developing the ability to skillfully manipulate and combine the elements of design such as form, type, symbol, composition, color, hierarchy, scale, rhythm and visual metaphor to transmit information and meaning. Prerequisite(s): ARTS 2201 and ARTS 3009 or permission of instructor.
ARTS 3045	Advanced Design	3	Concentration on sophisticated creative strategies and the advancement of personal style through a progression of rigorous and complex design projects. Intended to equip students to enter professional practice in graphic design, portfolio development will be emphasized. Prerequisite(s): ARTS 3013 and 3014 or permission of instructor.
ARTS 3830	Methods & Media	3	Examination of traditional techniques of drawing and painting from a historical perspective while exploring contemporary applications. Covers two-dimensional media including: Silver-point, gold leaf, egg tempera, fresco, and encaustic.
ARTS 3965	Topics in Studio Art	3	Selected topics in Studio Art. Prerequisite(s): ARTS 3012 & ARTS 3009 or permission of instructor
ARTS 3966	Topics in Studio Art	3	Selected topics in Studio Art.
ARTS 3967	Topics in Studio Art	3	Selected topics in Studio Art.
ARTS 3968	Topics in Studio Art	3	Selected topics in Studio Art.
ARTS 3969	Topics in Studio Art	3	Selected topics in Studio Art.
ARTS 3970	Topics in Studio Art	3	Selected topics in Studio Art.
ARTS 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 three times for a maximum of three credits.
ARTS 4901	Independent Study	1 TO 3	See Academic Information and Policies section. May be taken three times for credit towards degree.
ARTS 4902	Independent Study	1 TO 3	See Academic Information and Policies section.
ARTS 4910	Honors Prog Senior Project I	0	
ARTS 4920	Honors Prog Senior Project II	3	
ARTS 4974	Pre-Senior Project	0	Students will conceptualize and prepare for the execution of their senior project, including project proposal approval by the Chair. This course is graded on a P/N basis.
ARTS 4975	Senior Project	1	Mandatory exit project in which the student creates a culminating portfolio piece in her area of specialization. Required for studio art majors. Prerequisite(s): ARTS 4974.
BBLE 1105	Personal Dev in the Bible I	2	Previously offered as BIBL 1171.
BBLE 1110	Personal Dev in the Bible II	2	Previously offered as BIBL 1172.
BBLE 1120	Genesis	2	
BBLE 1125	Genesis Part I	2	Previously offered as BIBL 1201-1210 or BIBL 1209H.
BBLE 1130	Genesis: Part II	2	
BBLE 1135	Genesis: Creation Story	2	
BBLE 1150	Genesis: Josef	2	
BBLE 1205	Introduction to Exodus Part I	2	Previously offered as BIBL 1303.
BBLE 1210	Introduction to Exodus Part II	2	Previously offered as BIBL 1304.
BBLE 1220	Exodus	2	
BBLE 1225	Exodus Part I	2	Previously offered as BIBL 1305.
BBLE 1320	Leviticus	2	Previously offered as BIBL 1405, 1406, 1407, 1408, 1409 and 1410.
BBLE 1405	Numbers:Bibl Skills Part I	2	Students will develop a general understanding of the first half of the Book of Numbers while developing an in-depth knowledge of chosen topics. Selected textual issues will be analyzed using classical and modern commentators with a focus on developing the skills and vocabulary to analyze the pesukim and commentators in Hebrew. Prerequisite(s): BBLE 1205, BBLE 1210 or HEBR 1001.
BBLE 1410	Numbers: Biblical Skills II	2	
BBLE 1420	Numbers	2	
BBLE 1480	Topics in Numbers	2	Intensive study using classical and modern commentaries. For advanced students. Previously offered as BBLE 1511 and 1512.
BBLE 1520	Deuteronomy	2	
BBLE 2120	Topics in Joshua	2	Previously offered as BIBL 2115, 2116, 2117, 2118. 2119 and 2120.
BBLE 2125	Judges	2	Previously offered as BIBL 2121, 2122, 2123, 2125, 2126.
BBLE 2220	Samuel I	2	Previously offered as BBLE 2148, 2149, 2152-2158, 2160.
BBLE 2240	Samuel II	2	
BBLE 2380	Topics in Kings	2	

BBLE 2420	Isaiah	2	Previously offered as BIBL 2503, 2504, 2505 and 2506.
BBLE 2520	Jeremiah	2	Previously offered as BIBL 2555 or BIBL 2556.
BBLE 2740	Minor Prophets: Jonah	2	
BBLE 2745	Minor Prophets:Hag, Zech & Mal	2	Previously offered as BIBL 2805 and 2806.
BBLE 3120	Psalms	2	Previously offered as BIBL 3205-3210, 3209H.
BBLE 3440	Esther	2	Became BBLE 3440.
BBLE 3480	Topics in Megillot	2	Previously offered as BIBL 3403, 3404, 3407-3410, 3409A.
BBLE 3520	Daniel	2	Previously offered as BIBL 3807.
BBLE 3620	Ezra-Nehemiah	2	Previously offered as BIBL 3857.
BBLE 3720	Chronicles	2	Previously offered as BIBL 3909.
BBLE 3820	Pentateuch: Weekly Portion I	2	
BBLE 3825	Pentateuch: Weekly Portion II	2	Previously offered as BIBL 1115, 1116, 1117, 1118, 1119 ad 1120.
BBLE 4120	Intro to Exegesis Part I	2	Previously offered as BIBL 1081.
BBLE 4145	Biblical Exegetes: Nahmanides	2	Previously offered as BIBL 1096-1098, 1096H.
BBLE 4155	Biblical Exegetes: Seforno	2	
BBLE 4157	Biblical Exegetes: S R Hirsch	2	
BBLE 4160	Biblical Exegetes: N Leibowitz	2	
BBLE 4225	Tribes of Israel	2	Previously offered as BIBL 1190.
BBLE 4230	Themes in the Bible: Women	2	Previously offered as BIBL 1159 or BIBL 1160.
BBLE 4930	Topics in Bible	2	Previously offered as BIBL 4930 - 4939.
BIBL 1015	Introduction to the Bible	.5 TO 6	Authorship and canonization; Masoretic text; translations of the Bible; survey of medieval exegesis; modern Biblical studies; bibliographical and methodological guidance. For advanced students.
BIBL 1016	Introduction to the Bible	1 TO 3	Authorship and canonization; Masoretic text; translations of the Bible; survey of medieval exegesis; modern Biblical studies; bibliographical and methodological guidance. For advanced students.
BIBL 1077	Tanhuma on Pentateuch	.5 TO 6	The weekly Bible reading studied with Midrash Tanhuma.
BIBL 1082	Introduction to Exegesis II	2	Principles of biblical interpretation; survey of classical exegetes. For Intermediate students.
BIBL 1083	Topics in Biblical Exegesis	.5 TO 6	Selected biblical texts, primarily from the Pentateuch, examined in light of classical and modern Jewish commentaries.
BIBL 1084	Topics in Biblical Exegesis	2	Selected biblical texts, primarily from the Pentateuch, examined in light of classical and modern Jewish commentaries.
BIBL 1085	Topics:	2	Selected biblical texts, primarily from the Pentateuch, examined in light of classical and modern Jewish commentaries.
BIBL 1086	Topics in Biblical Exegesis	2	Selected biblical texts, primarily from the Pentateuch, examined in light of classical and modern Jewish commentaries. Shemot with parshanut of Nehama Leibowitz
BIBL 1087	Biblical Exegetes I	1 TO 6	Survey of the major exegetes, classical and modern, analyzing historical background, style, and methodology. First semester: Northern French school; second semester: Spanish school; third semester: Provence and Italy; fourth semester: modern commentators.
BIBL 1088	Biblical Exegetes II	.5 TO 6	Survey of the major exegetes, classical and modern, analyzing historical background, style, and methodology. First semester: Northern French school; second semester: Spanish school; third semester: Provence and Italy; fourth semester: modern commentators.
BIBL 1089	Biblical Exegetes III	.5 TO 6	Survey of the major exegetes, classical and modern, analyzing historical background, style, and methodology. First semester: Northern French school; second semester: Spanish school; third semester: Provence and Italy; fourth semester: modern commentators.
BIBL 1090	Biblical Exegetes IV	.5 TO 6	Survey of the major exegetes, classical and modern, analyzing historical background, style, and methodology. First semester: Northern French school; second semester: Spanish school; third semester: Provence and Italy; fourth semester: modern commentators.
BIBL 1091	Gur Aryeh	.5 TO 6	
BIBL 1092	Nachmanides	.5 TO 6	
BIBL 1093	S'Fat Emet	.5 TO 6	
BIBL 1094	S'fat Emet	.5 TO 6	
BIBL 1121	Weekly Torah Portion	.5 TO 6	
BIBL 1161	Topics:Mystical Exegesis	1 TO 6	Or ha'Hayyim.
BIBL 1162	The Cantillations	.5 TO 6	
BIBL 1163	Topics in the Pentateuch	.5 TO 6	
BIBL 1165	Jewish Exegesis Polemics	2 TO 3	Responses to Christian Interpretation of Tanakh. Historical and methodological background. Allegorical interpretation of Scripture. Abrogation of the Law. Religious as opposed to philosophical polemic. Trinity/Incarnation. Doctrine of the Messiah. Censorship of Hebrew texts. Polemics in commentaries. Unique challenges of the modern era.
BIBL 1191	Topics:	0 TO 6	
BIBL 1201	Book Of Genesis	.5 TO 6	Basic introduction to the Pentateuch. Translation and exposition of the text in accordance with standard commentaries, with introduction to Rashi. For elementary students. Became BBLE 1125.
BIBL 1202	The Book of Genesis	.5 TO 6	Basic introduction to the Pentateuch. Translation and exposition of the text in accordance with standard commentaries, with introduction to Rashi. For elementary students. Became BBLE 1125.
BIBL 1203	Book of Genesis	.5 TO 6	Same content as 1010; and 1011 with selections from Rashi. For lower intermediate students. Became BBLE 1125.
BIBL 1204	Book of Genesis	.5 TO 6	Same content as 1010; and 1011 with selections from Rashi. For lower intermediate students. Became BBLE 1125.

BIBL 1205	The Book of Genesis	2	Same content as 1201, 1202 with selected passages from Rashi and other commentators. For intermediate students. Became BBLE 1125.
BIBL 1206	The Book of Genesis	2	Same content as BIBL 1201, BIBL 1202 with selected passages from Rashi and other commentators. Became BBLE 1125.
BIBL 1207	Book of Genesis	.5 TO 6	Same as 1205, 1206; for upper intermediate students. Became BBLE 1125.
BIBL 1208	Book Of Genesis	.5 TO 6	Same as 1205, 1206; for upper intermediate students. Became BBLE 1125.
BIBL 1209	Book of Genesis:	2	Intensive study using classical and modern commentaries. Became BBLE 1125.
BIBL 1210	Book of Genesis	.5 TO 6	Intensive study using classical and modern commentaries. For advanced students. Became BBLE 1125.
BIBL 1211	Topics in Genesis	2	For intermediate students.
BIBL 1212	Topics in Genesis	2	For intermediate students.
BIBL 1213	Topics in Genesis	2	Cain and Hevel, Avraham and Lot, Avot and Imahot, Yaakov and Eisav, Levi and Shimon, Reuven and Yehudah, Yosef and his brothers. For intermediate students.
BIBL 1214	Topics in Genesis II	.5 TO 6	For intermediate students.
BIBL 1302	Parashat Mishpatim	.5 TO 6	
BIBL 1306	Book of Exodus	.5 TO 6	Same as 1303; 1304; for intermediate students.
BIBL 1307	Book of Exodus I	.5 TO 6	Same as 1303; 1304; for upper intermediate students.
BIBL 1308	Book of Exodus	.5 TO 6	Same as 1303; 1304; for upper intermediate students.
BIBL 1309	Book of Exodus	2	Intensive study using classical and modern commentaries. For advanced students.
BIBL 1310	Book of Exodus	.5 TO 6	Intensive study using classical and modern commentaries. For advanced students.
BIBL 1311	Topics in Exodus	1 TO 6	For intermediate students.
BIBL 1312	Topics in Exodus	.5 TO 6	For intermediate students.
BIBL 1313	Topics in Exodus	1 TO 6	For intermediate students.
BIBL 1314	Topics in Exodus	2 TO 3	For intermediate students.
BIBL 1411	Topics in Leviticus	2 TO 4	For intermediate students.
BIBL 1412	Topics in Leviticus	2 TO 3	For intermediate students.
BIBL 1435	Jewish Law: Kashruth	.5 TO 6	
BIBL 1445	Women & Jewish Law I	.5 TO 6	
BIBL 1455	The Sabbath	2 TO 5	
BIBL 1503	Book of Numbers	2 TO 3	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For lower intermediate students.
BIBL 1504	Book of Numbers	1 TO 3	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For lower intermediate students.
BIBL 1505	Book of Numbers I	2	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators.
BIBL 1506	The Book of Numbers	.5 TO 6	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For intermediate students.
BIBL 1507	Book Of Numbers	.5 TO 6	Same as 1505; 1506; for upper intermediate students.
BIBL 1508	Book of Numbers	.5 TO 6	Same as 1505; 1506; for upper intermediate students.
BIBL 1509	Book of Numbers	2	Intensive study using classical and modern commentaries. For advanced students.
BIBL 1510	Book of Numbers	.5 TO 6	Intensive study using classical and modern commentaries. For advanced students.
BIBL 1513	Topics: Book of Numbers	2 TO 3	
BIBL 1514	Topics in Numbers	2 TO 3	
BIBL 1603	Book of Deuteronomy	2 TO 3	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For lower intermediate students.
BIBL 1605	Book of Deuteronomy	2	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators.
BIBL 1606	Book of Deuteronomy	2 TO 4	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For intermediate students.
BIBL 1607	Book of Deuteronomy	.5 TO 6	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For upper intermediate students.
BIBL 1608	Book of Deuteronomy	1 TO 6	Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For upper intermediate students.
BIBL 1609	Book of Deuteronomy	1 TO 6	Intensive study using classical and modern commentaries. For advanced students.
BIBL 1610	Book Of Deuteronomy	1 TO 6	Intensive study using classical and modern commentaries. For advanced students.
BIBL 1611	Topics in Deuteronomy	.5 TO 6	For intermediate students.
BIBL 1612	Topics in Deuteronomy	2 TO 4	For intermediate students.
BIBL 2049	The Haftarat	.5 TO 6	Those portions of the Prophets used as synagogue lessons. For advanced students.
BIBL 2050	The Haftarat II	2	Those portions of the Prophets used as synagogue lessons. For advanced students. Haftarat throughout the spring. Lecture in Hebrew. Counts towards Hebrew for those who placed in HEBR 1221 or higher.
BIBL 2107	Early Prophets	1 TO 6	The Books of Joshua, Judges, Samuel, and Kings. Textual study with classical and modern commentaries.
BIBL 2108	Early Prophets	.5 TO 6	The Books of Joshua, Judges, Samuel, and Kings. Textual study with classical and modern commentaries.
BIBL 2109	Early Prophets	.5 TO 6	Selections from the Early Prophets, with classical commentaries. First semester: conquest of Canaan and early Judges; second semester: later Judges and the establishment of the Monarchy. For advanced students.
BIBL 2110	Early Prophets	.5 TO 6	Selections from the Early Prophets, with classical commentaries. First semester: conquest of Canaan and early Judges; second semester: later Judges and the establishment of the Monarchy. For advanced students.
BIBL 2114	Early Prophets	1 TO 3	Specific portions of the text, with classical and modern commentaries.
BIBL 2140	Samuel I	2 TO 3	
BIBL 2161	King David in Midrash&Scriptur	2 TO 5	

BIBL 2355	Kings I	2	
BIBL 2356	Kings I	2	For intermediate students.
BIBL 2357	Kings I	2	For intermediate students.
BIBL 2358	Kings I	2 TO 3	For intermediate students.
BIBL 2359	Kings I	.5 TO 6	For advanced students.
BIBL 2360	Kings I	.5 TO 6	For advanced students.
BIBL 2362	Eliyahu & Elisha	.5 TO 6	
BIBL 2363	Topics in Kings	2	Comparing Malkhei Yehuda in Melakhim and Divrei HaYamim; theosophy, historiosophy and messages of Sefer Melakhim and Divrei HaYamim.
BIBL 2364	Topics in Kings	2 TO 3	For intermediate students.
BIBL 2501	Later Prophets	1 TO 6	Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the Prophets.
BIBL 2502	Later Prophets	.5 TO 6	Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the Prophets.
BIBL 2605	Ezekiel	.5 TO 6	For intermediate students.
BIBL 2606	Ezekiel	.5 TO 6	For intermediate students.
BIBL 2653	Minor Prophets	2	Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the Prophets.
BIBL 2654	Minor Prophets	.5 TO 6	
BIBL 2801	Studies: The Later Prophets	.5 TO 6	Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the Prophets.
BIBL 2802	Students: The Later Prophets	.5 TO 6	Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the Prophets.
BIBL 3001	Hagiographa (Ketuvim)	.5 TO 6	
BIBL 3257	Proverbs	2	For intermediate students.
BIBL 3258	Proverbs	2	For intermediate students.
BIBL 3307	Job	2	
BIBL 3308	Job	.5 TO 6	For intermediate students.
BIBL 3415	Song of Songs	.5 TO 6	For intermediate students.
BIBL 3416	Song of Songs	.5 TO 6	For intermediate students.
BIBL 3450	Megillat Ruth	3	For lower intermediate students.
BIBL 3659	Ecclesiastes	.5 TO 6	For intermediate students.
BIBL 3660	Ecclesiastes	1 TO 3	For intermediate students.
BIBL 3711	Selected Megillot	2	Esther, Ruth. Advanced students.
BIBL 3731	Topics in Megilot	.5 TO 6	
BIBL 3751	Selected Hagiographia: Part II	.5 TO 6	
BIBL 3806	Daniel	.5 TO 6	
BIBL 3808	Writ:Song of Songs & Daniel	.5 TO 6	
BIBL 3858	Ezra & Nechemiah	.5 TO 6	
BIBL 4002	Biblical Narrative	.5 TO 6	Narrative forms in prose and historical books; readings in Biblical narratives, especially of the Pentateuch, with accompanying medieval and modern commentaries.
BIBL 4003	Biblical Narrative	1 TO 6	Narrative forms in prose and historical books; readings in Biblical narratives, especially of the Pentateuch, with accompanying medieval and modern commentaries.
BIBL 4021	Biblical Poetry	2	Poetic portions of the Bible, with emphasis on the literary qualities of these passages and the commentaries of the major exegetes. For advanced students.
BIBL 4022	Biblical Poetry	2 TO 3	Poetic portions of the Bible, with emphasis on the literary qualities of these passages and the commentaries of the major exegetes. For advanced students.
BIBL 4520	Targumim	.5 TO 6	Analysis of the commentary of Maimonides (Rambam), his method and terminology, and similarities to and differences from other exegetes. For Advanced students.
BIBL 4612	Women in the Bible	.5 TO 6	For advanced students.
BIBL 4718	Methods of Peshat	2 TO 3	
BIBL 4902	Independent Study	.5 TO 6	See Academic Information and Policies section.
BIBL 4911	Topics	0 TO 5	
BIBL 6091	Lit Approaches to the Bible I	2 TO 3	Analysis of literary techniques in select texts in the Prophets and Writings and their implications for meaning, with additional emphasis on the literary sensitivity of the ancient rabbis and of commentators in the traditional Jewish canon.
BIBL 6092	Divrei HaYanim	2 TO 3	This semester, we are going to try to develop a solid understanding of some of the important religious issues that emerge from a careful study of Chronicles. We also will consider some central methodological issues to accompany you throughout your study of the bible. To this end, keeping up with readings and discussions in class are imperative aspects of this course.
BIBL 6093	Polemic of Sefer Shmuel	3	This course is divided into two parts. The first collects and collates numerous examples of violations of the plain literal sense of Torah law in the book of Samuel. This list is narrowed to cases where the perpetrator or narrator seems to be unaware of the fact that a violation has taken place. This requires explanation in light of the revelation at Sinai which predates these narratives by hundreds of years. If not the characters in these books, then at least the narrator should have been aware of Torah law.
BIBL 6094	Book of Jeremiah	3	We will analyze the text of Jeremiah 1-3; 7-12; 20-34; with traditional Ancient Medieval and Modern Jewish commentary. We will supplement historical background from the books of Kings and chronicles, as well as from Egyptian, Assyrian and Babylonian sources. We will cover the chapters not mentioned above, 4-6, 13-16; 35-62 with Bekiut.

BIBL 6095	Peshat & Derash Med Ashken Exe	2 TO 3	This course will study 11th 12th centuries northern French Jewish biblical commentaries, Rashi and Rashbam, with the goal of eliciting their programmatic methodological agendas in analyzing biblical texts and the interpretative criteria which they develop to guide them in their exegesis. As illustrative examples of this exegetical school of thought, the unique relationship between the commentaries of the grandfather and grandson, Rashi and Rashbam, will be the focus of analysis. Emphasis will be placed on their insights into the peshat of the biblical text, especially their literary analysis of the narrative and poetry of the Bible.
BIBL 6096	Sforno and Malbim	3	This course will examine exegetical methodology of R. Obadiah Sforno, a preeminent Italian Jewish scholar of the Renaissance period in the late fifteenth through sixteenth centuries. Students will reflect critically on Sfornos religious philosophy as reflected in his biblical commentary and in his writings. This course will also study the extensive biblical commentary of Rabbi Meir Leibush Malbim, one of the foremost nineteenth century exegetes on the Bible.
BIBL 6097	Ramban	3	This course will study the commentary of Rabbi Moses ben Nahman (Ramban) on biblical narrative, with a particular focus on the stories of the Book of Genesis. This course aims to investigate the influence of Rambans multicultural background on his own interpretations of key facets of biblical stories.
BIBL 6099	Biblical Narratives	3	We will analyze how the Bible tells stories and we will uncover the agenda of the author and approach the text from multiple standpoints embedded within Chazal, Medieval commentary, and modern experts. We will concentrate on linguistic nuance and search for trends and similarities from one text to another.
BIBL 6700	Independent Study - Bible	3	An independent study is an individualized project/course in an area of Tanach conducted under the guidance and supervision of a faculty advisor with the approval of the Program Director.
BIBL 6800	Teaching Experience	3	The teaching experience course is an individualized project/course in an area of Talmud or Jewish Law conducted under the guidance and supervision of the Program Director. The students will be teaching or presenting in different forums, including college, high-school and community settings.
BIBL 6900	Topics in Tanakh	3	In each of these topic classes the women will learn how to analyze the text of Tanakh and its commentators. The classes will teach full books of Tanakh, or focus on the style of a commentator, focus on specific topics within Tanakh, and teach them skills required to be learners and teachers of Tanakh. This course will also analyze the stories of the four Imahot: Sarah, Rivkah, Rachal and Leah. We will learn in depth their stories and reflect on their greater role within the context of Sefer Bereishit.
BIBL 7505	Book Of Isaia	2 TO 5	
BIBL 7551	Book Of Ezekiel	2 TO 5	
BIBL 7720	The Book Of Amos	2 TO 5	
BIBL 8250	Book Of Proverbs	2 TO 5	
BIBL 9062	Parshat Mishpatim	2 TO 5	
BIBL 9901	Guided Readings	2 TO 5	
BIBL 9931	Doctoral Planning	2 TO 5	Research course for which students must register once all Doctoral coursework is complete, to enable preparation for and completion of the Doctoral Field examination.
BIBL 9971	Masters Research	2 TO 5	
BIBL 9980	Doctoral Planning	2 TO 5	Research course for which students must register once all Doctoral coursework is complete, to enable preparation for and completion of the Doctoral Field examination.
BIBL 9981	Doctoral Research	2 TO 5	
BIMS 1001	Frontiers: Biomed Sciences	1 TO 3	
BIOL 1003	Biol Essentials Techniques	2	This course is designed to introduce students to scientific equipment and biologic systems used in biomedical research. Students, working independently, will develop basic hands-on wet-lab skills, including: use of pipettes, microscopy (brightfield, inverted, stereomicroscopy), DNA gel electrophoresis, UV spectrophotometry, handling of microorganisms, mammalian tissue culture, fruit fly studies, DNA extraction, DNA quantitation, chromosome staining, cell counting with a hemacytometer, and procaryote and eucaryote cell staining. Students will also learn the basics of keeping a lab notebook (recording, reading, and interpreting results).
BIOL 1006	Human Genetics	3	An introduction to Human Genetics. Topics include inheritance patterns of single genes and multi gene traits, the genetic basis of disease and behavior, the development of DNA technology and its application to law and medicine. Replaces Human Biology; Lab no longer required. Science and Technology for non-Science majors only.
BIOL 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.) Previously offered as BIOL 1011R. Corequisite(s): BIOL 1013.
BIOL 1011P	Principles of Biology I Lec	3	For majors. Introductory analysis of the various biological concepts at the molecular, cellular, and organismal levels. Topics include biochemistry of molecules, enzyme kinetics, cellular anatomy and physiology, cellular energetics and metabolism, cellular signaling.
BIOL 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 BIOL 1012R. Prerequisite(s): BIOL 1011 and BIOL 1013. Corequisite(s): BIOL 1014.
BIOL 1012P	Principles of Biology II Lec	3	For majors. Introductory analysis of the various biological concepts at the molecular, cellular, and organismal levels. Topics include cellular reproduction, genetics, molecular biology, population biology, evolution, and comparative human physiology.

BIOL 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 BIOL 1011L or BIOL 1011Y. Corequisite(s): BIOL 1011.
BIOL 1013P	Principles of Biology I Lab	1	Introductory analysis of the various biological concepts at the molecular, cellular, and organismal levels. Topics include biochemistry of molecules, enzyme kinetics, cellular anatomy and physiology, cellular energetics and metabolism, cellular signaling. Laboratory work, including dissections, complements the lectures. For majors. Laboratory fee.
BIOL 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): BIOL 1011 and BIOL 1013. Corequisite(s): BIOL 1012 Previously offered as BIOL 1012Y.
BIOL 1014P	Principles of Biology II Lab	1	Introductory analysis of the various biological concepts at the molecular, cellular, and organismal levels; cellular reproduction, genetics, molecular biology, population biology, evolution, and comparative human physiology. Laboratory work, including dissections, complements the lectures. For majors. Laboratory fee.
BIOL 1060	Biology and Public Health	3	The goal of this course is to educate students on the convergence of Biology and Public Health. Students will engage with diseases whose impact on the individual impacts society and diseases where societal norms and standards influence understanding and progression. We will discuss our current methods for assessing and understanding the burden of disease on our society. Recent experiences with Covid-19 and public health will be used as a springboard to discuss many of the intersections of public health and biology and a segue into other important topics of public health including, but not limited to, vaccines, obesity, diabetes, mental health, AIDS. Understanding biology and public health necessitates the understanding of certain biological concepts as well as the understanding that while 'the science' can inform decisions, public health requires that we also understand the impacted populations, recognizing that different communities may behave differently, and public health needs to adapt to as many people within a given society. Special attention will be paid to the disparity in public health issues and responses in various local and global communities. Previously offered as SCIE 1060 or PUB 1060. Science and Technology for non-science majors. Not for Bio majors/minors.
BIOL 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): CHEM 1213 with a grade of C- or higher or permission of the instructor; and CHEM 1215 may be taken as a prerequisite or corequisite. Same as CHEM 1376.
BIOL 2105	Basic Immunol-Health & Disease	2	This course focuses on basic immunologic principles, bodily defenses, sex based differences in immunity, and malfunctions of the system which trigger illness and disease. Prerequisite(s): BIOL 1012.
BIOL 2601	Human Development	2	Focus on normal human embryonic and fetal development, as well as on congenital anomalies and birth defects. Fetal physiology and maternal-fetal interactions are presented, as well as other related topics, such as assisted reproductive technology. Prerequisite(s): BIOL 1012 and BIOL 1014. Previously offered as BIOL 2601R.
BIOL 2730	Human Anatomy	4	A regional approach to the study of the human body, with special focus on human locomotory anatomy. Laboratory emphasizes mammalian (cat) dissection. (lecture: 3 hours; lab: 4 hours). Laboratory fee. Prerequisite(s): BIOL 1012 and BIOL 1014 may be taken as prerequisites or corequisites.
BIOL 3207	Cell Biology	4	Basic architecture of cellular organelles and components; dynamics of growth, nutrition, cell cycle, metabolism, and metabolic regulation; specialized cell functions. Prerequisite(s): BIOL 1012 and BIOL 1014; and CHEM 1045 may be taken as prerequisite or corequisite. Previously offered as BIOL 3207C.
BIOL 3221	Nutrition	3	Clinical nutrition, directed to common medical disorders, relevant physiology, nutritional implications, and therapy. Nutrition in gastrointestinal disorders, diabetes, cancer, and AIDS are discussed. This course does not count toward the Biology major or minor. Previously offered as BIOL 3221B.
BIOL 3241	Pharmacology	2	Major aspects of pharmacology: pharmacokinetics, pharmacodynamics, mechanisms of action, physiologic effects, as well as adverse effects of drugs. Course is organized by drug class according to either organ system or therapeutic category. Prerequisite(s): BIOL 1012.
BIOL 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): BIOL 1012 and BIOL 1014. Previously offered as BIOL 3513C.
BIOL 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): BIOL 1012 and BIOL 1014. Previously offered as BIOL 3521C.
BIOL 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): BIOL 1012 may be taken as a prerequisite or corequisite. Previously offered as BIOL 3728C.
BIOL 3730	Reproductive Biology	2	The course focuses on different aspects of human reproduction and reproductive health. Topics include spermatogenesis, oogenesis, menstrual cycle, fertile window and fertilization, breastfeeding, breast and ovarian disorders, infertility, assisted reproductive techniques (e. g. in vitro fertilization). Prerequisite(s): BIOL 1012 and BIOL 1014.
BIOL 3735	Biology of Women's Health	2	Biology of conditions affecting women's health. Topics covered include reproduction, cardiovascular disease, osteoporosis, cancer, and autoimmune diseases. Articles from medical journals and clinical trial data are discussed. May count towards Women's Studies minor. Prerequisite(s): BIOL 1012.

BIOL 3750	Medical Biochemistry	3	Reviews major human metabolic pathways with focus on biochemical alterations that accompany a wide range of human diseases and conditions. Emphasis on advanced methods of molecular medicine for diagnosis and treatment of genetic and metabolic disorders. Prerequisite(s): BIOL 1012 and BIOL 1014; and CHEM 1046. CHEM 1213 is a recommended prerequisite or corequisite.
BIOL 3780	Biology of Cancer	3	Understand the history of cancer research and the underlying mechanisms that contribute to the development and the progression of cancer as well as the ways in which we use these mechanisms to treat cancer. May count toward the cell and molecular track. Prerequisite(s): BIOL 1012; and BIOL 3207 may be taken as a prerequisite or corequisite.
BIOL 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): PSYC 2100 and PSYC 2120. May count towards BIOL major but not minor. May count toward Group II.
BIOL 3830	Neurobiology	3	Nerve cells and their organization into complex nervous systems; major concepts in neurobiology, including impulse conduction, synaptic transmission, sensory processing, motor function, and memory. Labs include discussion of the properties of human stem cells, neural stem cells and ways to derive, differentiate and maintain them in vitro; an overview of the approaches for deriving 3D mini human brain cultures (also called cerebral organoids) and how this technology may inform the way we study basic biology and developmental diseases. (lecture: 3 hours; lab: 3 hours) Laboratory fee. Prerequisite(s): BIOL 1012 and BIOL 1014.
BIOL 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): BIOL 1012 and BIOL 1014; and CHEM 1010 or CHEM 1045 may be taken as prerequisite or corequisite. Previously offered as BIOL 4023C.
BIOL 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.
BIOL 4901	Independent Study	1 TO 3	Research in a laboratory under the guidance of a faculty member at Stern College for Women. This work does not count toward the Chemistry or Biochemistry major. With faculty approval, the research may count toward the Elective category of the General Education requirements. Prerequisite(s): BIOL 1012 and BIOL 1014.
BIOL 4902	Independent Study	1 TO 3	Research in a laboratory under the guidance of a faculty member at Stern College for Women. This work does not count toward the Chemistry or Biochemistry major. With faculty approval, the research may count toward the Elective category of the General Education requirements. Prerequisite(s): CHEM 1045C.
BIOL 4903	Independent Study	1 TO 3	Research in a laboratory under the guidance of a faculty member at Stern College for Women. This work does not count toward the Chemistry or Biochemistry major. With faculty approval, the research may count toward the Elective category of the General Education requirements. Prerequisite(s): CHEM 1045C.
BIOL 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Biology Honors Project Research.
BIOL 4920	Honors Prog Senior Project II	0 TO 3	This course fulfills the second semester requirements for Biology Honors Project Research.
BIOL 4930	Topics in Biology	1 TO 3	Selected subjects from current developments in a variety of biological disciplines, such as kinesiology, public health, immunology and disease, medical genetics, environmental issues, biotechnology. 1-credit Journal Clubs are graded on a P/F basis. Prerequisite(s): BIOL 1011.
BIOL 4947	Research Internship	2	Research project at an approved laboratory in under the joint guidance of the head of the laboratory and a faculty member at Stern College for Women. Prerequisite(s): BIOL 1012 and permission of the instructor.
CHEM 1010	Essentials of Chemistry	4	Introduces students to the essential theories and principles of general chemistry and their application to modern society. Topics include chemical reactions, atomic and molecular structure, stoichiometry, bonding, the periodic table, acid-base theory, equilibrium, properties of gases, liquids and solids, and kinetics. The lecture course emphasizes problem-solving techniques while the laboratory portion introduces students to the methods of scientific investigation and basic laboratory techniques. One semester lecture/lab course; (lecture: 3 hours; lab: 2 hours) Laboratory fee. May count towards Science and Tech; not for BIOL or CHEM majors. Recommended for SPAU majors.
CHEM 1045	General Chemistry Lec	3	Lecture course for students going into the biological, chemical, health, or physical sciences. Atomic structure and stoichiometry; properties of gases, liquids, and solids; thermochemistry; quantum theory; electronic structures of atoms and molecules; chemical bonding; properties of solutions; thermodynamics; chemical equilibria including acid base and solubility; kinetics; electrochemistry; nuclear chemistry. Laboratory experiments enhance understanding of principles taught in lectures. (lecture: 3 hours; recitation: 1 hour).
CHEM 1046	General Chemistry II Lec	3	Lecture course for students going into the biological, chemical, health, or physical sciences. Atomic structure and stoichiometry; properties of gases, liquids, and solids; thermochemistry; quantum theory; electronic structures of atoms and molecules; chemical bonding; properties of solutions; thermodynamics; chemical equilibria including acid base and solubility; kinetics; electrochemistry; nuclear chemistry. Laboratory experiments enhance understanding of principles taught in lectures. (lecture: 3 hours; recitation: 1 hour) Prerequisite(s): CHEM 1045 with a grade of C- or higher. Corequisite(s): CHEM 1047.
CHEM 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. Prerequisite(s): CHEM 1045 with a grade of C- or higher. Corequisite(s): CHEM 1046.
CHEM 1125	Analytical Chemistry	4	Theory and practice of classical and modern analytical chemistry. Laboratory applications of volumetric, gravimetric, and instrumental methods including potentiometry, spectrophotometry, and chromatography. One laboratory hour is a conference hour. (lecture: 2 hours; lab: 5 hours) Laboratory fee. Prerequisite(s): CHEM 1046; and CHEM 1047 with a grade of C- or higher.

CHEM 1213	Organic Chemistry I Lec	3	The structure, properties, synthesis and reactions of hydrocarbons and alkyl halides, stereochemistry, alkenes and their reactivity, reaction mechanisms, aldehydes and ketones and carbohydrates. (lecture: 3 hours; recitation: 1 hour) Prerequisite(s): CHEM 1046 and CHEM 1047 with a grade of C- or higher. Corequisite(s): CHEM 1215.
CHEM 1214	Organic Chemistry II Lec	3	Reactions of carbonyl compounds, aromatic hydrocarbons, structure, properties, syntheses and reactions of the alkenes and alkynes, alcohols and phenols, ethers and epoxides, amines and heterocycles. (lecture 3 hours; recitation 1 hour.) Prerequisite(s): CHEM 1213 and CHEM 1215 with a grade of C- or higher.
CHEM 1214T	Organic Chemistry Recitation	0	Reactions of carbonyl compounds, aromatic hydrocarbons, structure, properties, syntheses and reactions of the alkenes and alkynes, alcohols and phenols, ethers and epoxides, amines and heterocycles. (lecture 3 hours; recitation 1 hour.) Prerequisite(s): CHEM 1213CR with a grade of C- or higher; and CHEM 1215L may be taken as a prerequisite or corequisite.
CHEM 1215	Organic Chemistry I Lab	2	Laboratory experiments are designed to illustrate methods of separation, purification, identification, and synthesis of organic compounds. Spectroscopic measurements and molecular modeling are included. (Lab: 4 hours) Laboratory fee. Corequisite(s): CHEM 1213.
CHEM 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): CHEM 1213 and CHEM 1215 with a grade of C- or higher or permission of the instructor.
CHEM 1377	Principles of Biochemistry Lab	2	Laboratory experiments are designed to illustrate methods of purification, separation, and characterization of proteins; acid-base titration of amino acids; bio membranes; enzyme kinetics; molecular modeling, computational chemistry, and bioinformatics of biologically relevant molecules. Prerequisite(s): CHEM 1376 may be taken as a prerequisite (or corequisite with permission of instructor).
CHEM 1378	Advanced Biochemistry	3	Biochemistry is the chemical description of biomolecules that interact in living cells and allow organisms to function. Students will use the knowledge obtained in Principles of Biochemistry to answer more advanced questions of biological nature, such as the metabolism of DNA, RNA and proteins; and discuss the cause of several diseases and conditions in human health. Prerequisite(s): CHEM 1376 may be taken as a prerequisite (or corequisite with permission of instructor).
CHEM 1410	Biophysics	4	Course employs a research-based approach, which combines lectures, assignments, lab experiments, data analysis and student presentations. The course will give students the tools to measure and analyze biophysical processes, such as crystallization, nucleation, diffusion, fluorescence, bioluminescence, protein expression and more. Prerequisite(s): CHEM 1046 and CHEM 1047.
CHEM 1411	Research in Biophysics	4	The course will give students tools to measure and analyze biophysical processes, such as crystallization, nucleation, diffusion, fluorescence, bio-luminescence, protein expression, thermal imaging and more. Students will use micro-thermography (thermal imaging), temperature-controlled stages, luminometry, chromatography and electrophoresis, and a combination of these techniques to measure and study the biophysical processes. Requires a minimum of 5 hours of lab work per week as assigned. Prerequisite(s): CHEM 1046 and CHEM 1047.
CHEM 1415	Physical Chemistry I	3	Thermodynamics, chemical equilibrium, solutions, electrochemistry. Applications to biological and biochemical problems are used to illustrate general principles. Prerequisite(s): CHEM 1046 with a grade of C- or higher; and MATH 1412, PHYS 1032 or PHYS 1052.
CHEM 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): CHEM 1046 with a grade of C- or higher; and MATH 1412; and PHYS 1032 or PHYS 1052.
CHEM 1931	Topics	2 TO 3	Selected subjects in chemistry. Discussion of current developments, problems, and literature. Open to seniors and selected juniors majoring in chemistry. Prerequisite(s): permission of the instructor.
CHEM 1937	Seminar in Advanced Chem	1	Topics in all fields of chemistry presented by students and guest lecturers. Seminar meeting two hours every two weeks. Prerequisite(s): CHEM 1214R may be taken as prerequisite or corequisite; or permission of the instructor.
CHEM 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.
CHEM 4901	Independent Study	1 TO 3	See Academic Information and Policies section. Laboratory fee on an individual basis. May be taken three times for credit towards degree.
CHEM 4903	Independent Study	1 TO 3	Research in a laboratory under the guidance of a faculty member at Stern College for Women. This work does not count toward the Chemistry or Biochemistry major. With faculty approval, the research may count toward the Elective category of the General Education requirements. Prerequisite(s): CHEM 145C.
CHEM 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Chemistry Honors Project Research.
CHEM 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Chemistry Honors Project Research.
CHEM 4930	Topics in Chemistry	3	Selected subjects in chemistry. Discussion of current developments, problems, and literature. Open to seniors and selected juniors majoring in chemistry. Prerequisite(s): permission of the instructor.
COMP 1000	Spatial Reasoning & Vis	1	Spatial reasoning is a fundamental skill correlated with success in many STEM fields, including Computer Science. In this course, students will move through ten different modules that strengthen spatial reasoning and visualization. Students will engage in hands-on exercises using blocks, sketching using paper and pencil, and interactive problem-solving tasks to enhance their ability to mentally manipulate and visualize three-dimensional objects. All assigned work will be accomplished during scheduled class time, once a week.

COMP 1001	Introduction to Programming	3	Design, develop, test, and debug programs using the Python programming language. In addition to core concepts and syntax, cover practical applications such as web, network, and database programming; data extraction, visualization, and analysis; and integration with software products. This course is for non-CS majors, and cannot be used as a prerequisite for any other CS course.
COMP 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. Prerequisite(s): Three years of high school mathematics and placement by examination, or a grade of C, or higher, in MATH 1160 or 1412; Students who declare a CS major may take MATH 1160 as a corequisite.
COMP 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): COMP 1300.
COMP 1504	Discrete Structures	3	Boolean algebra and predicate calculus; proof methods; sets, functions, and relations; combinatorics; graph theory and algorithms; mathematical induction and recursion; probability and average case analysis of algorithms. Prerequisite(s): three years of high school mathematics. (lecture: 3 hours; recitation: 1 hour). Prerequisite(s): COMP 1300 may be taken as a prerequisite or corequisite.
COMP 2113	Computer Organization	3	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): COMP 1300. COMP 2314 is recommended.
COMP 2314	Linux ProgrammingData Analysis	4	The Linux Operating System provides the infrastructure that powers the vast majority of the Internet. This course introduces Linux, with a particular focus on writing code and algorithms on the command line, in scripts, and in programming languages, to manipulate massive amounts of data to achieve analytic objectives. The courses cover the following topics: the Linux command line (aka 'the Shell') and built-in features, permissions and processes, regular expressions on the command line and within code, the 'gawk' programming language, version control and automated application building, advanced Python features (such as generators) and its libraries, visualization packages such as matplotlib. There is special emphasis on Hadoop and Spark to build algorithms for massively scalable computations on clusters of Linux computers. Prerequisite(s): COMP 1300.
COMP 2512	Networking & Communications	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): COMP 1300; and one COMP programming course.
COMP 2545	Algorithms	3	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): COMP 1320.
COMP 3562	Database Systems	3	This course provides students with both the theory and practice of relational database management systems. Topics include an overview of database systems; the relational model and algebra; the data definition language (DDL) and data manipulation language (DML) aspects of Structured Query Language (SQL); database design using E-R models and diagrams; database normalization; primitive and complex data types; physical and data storage; indexing techniques; application development, client-server model, and multi-tiered architecture; query processing and optimization; transactional management and concurrency control; security considerations. Prerequisite(s): COMP 1320.
COMP 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): COMP 1320; and COMP 2113 or COMP 2115.
COMP 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): COMP 1320 may be taken as a prerequisite or corequisite.

COMP 3650	Object-Oriented SoftwareDesign	3	This course explores strategies for modeling problems using object-oriented techniques, as well as applying design patterns in project architecture, in a way that they are easy to maintain across the product lifetime. The following topics are covered in this course: Java syntax and constructs to support object-oriented programming, such as abstract classes, interfaces, public, private and protected; design principles, such as DRY (don't repeat yourself) and the open-closed principle; and many design patterns such as Twin, Observer, Iterator, Decorator, Builder, Composite, Factory, Factory Method, Abstract Factory, Singleton, Command, Adapter, Facade, State, Proxy, Prototype, Flyweight, and Chain of Responsibility. Prerequisite(s): COMP 1300.
COMP 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): COMP 1320.
COMP 3770	Natural Language Processing	3	This course explores algorithms for processing, understanding and producing human language, as well as the linguistic concepts required to make use of those algorithms. The following topics are covered in this course: phonology, morphology, syntax and semantics; basic text processing, minimum edit distance, language models, classification and how it applies to many NLP problems, Naive Bayes and more advanced classifiers; machine learning and deep learning as applied to NLP; NLP problems such as named entity recognition, relation extraction, question answering. Prerequisite(s): COMP 1320 and MATH 1412.
COMP 3780	Web Programming & Development	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): COMP 1300.
COMP 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.
COMP 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.
COMP 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Computer Science Honors Project Research.
COMP 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Computer Science Honors Project Research.
COMP 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.
ECON 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.
ECON 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): ECON 1010; or instructor's permission.
ECON 1177	Game Theory & Behavioral Econ	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): ECON 1010; or instructor's permission.
ECON 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): ECON 1010 or instructor's permission.
ECON 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): ECON 1010 or higher or instructor permission.
ECON 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): ECON 1011, STAT 1021.

ECON 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): ECON 1010.
ECON 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): ECON 1030.
ECON 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): ECON 1010.
ECON 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): ECON 1010.
ECON 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): ECON 1010.
ECON 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.
ECON 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): ECON 1101 or permission of instructor.
ECON 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): ECON 1101.
ECON 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.
EDUC 1210	Educational Psychology	3	Introduction to theories and applications of principles of learning, motivation, and measurement to education. Topics include learning-centered and teacher-directed approaches to instruction, theories of intelligence, exceptionality, and accommodating instruction to meet individual learners needs, creativity, assessment, and the uses of technology to facilitate learning are investigated. Prerequisite(s): PSYC 1107. Required for all Early Childhood and Childhood Majors. Others by permission of instructor. (Same as PSYC 3400.)
EDUC 2130	Foundations: Early Child Educ	3	Introduction to early childhood education (birth-grade 2). Study of physical, social, emotional, cognitive, and aesthetic development in young children. Developmentally appropriate practices, classroom management and guidance, parent involvement, assessment, and reporting. Approaches to learning, including behaviorist, maturationist, constructivist, brain-based learning, and the Project Approach. Adapting instruction for learners with diverse needs. Case studies, problem solving, role playing, team research, and hands-on activities are among the learning strategies incorporated into this interactive course. This course includes 25 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for all Early Childhood Majors. Students are responsible for their own transportation.
EDUC 2133	Linguistic Tools & Lit Dev	3	This course explores the development of language acquisition, creative expression, and literacy skills in young children. Students identify approaches to second language acquisition in the Hebrew classroom. Discussions focus on the examination of developmentally appropriate characteristics and behaviors of children from birth through second grade. The course addresses differentiated and standard based instruction, formative and summative assessment of growth, and the influence of parents and community on linguistic development. This course includes 25 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for all Early Childhood Majors. Students are responsible for their own transportation.

EDUC 2134	EC: Lang & Lit in Early Child.	3	This course deepens the exploration of literacy instruction in the early childhood grades, with a focus on Kindergarten through Second Grade. Emphasizing a structured literacy approach grounded in the Science of Reading (SoR), the course covers essential literacy skills, including listening, speaking, reading, and writing. Students will build on prior knowledge from the Birth through Pre-K literacy foundations covered in the fall semester, applying these concepts as relevant to early childhood learners. This course includes 25 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for all Early Childhood Majors. Elective for Childhood EDUC Majors and Minors. Prerequisite(s): EDUC 2133. Students are responsible for their own transportation.
EDUC 2138	EC: Math & Science	3	This course examines principles in the development and integration of mathematics and science in the early childhood classroom. Students will explore methods of learning and teaching in a classroom of diverse learners. Through discussion, workshops, small group work, and use of manipulatives, technology and various scientific activities, students explore number operation, patterns, geometry, and measurement. Observing, classifying, and comparing are used to demonstrate the scientific process. This course includes 25 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for all Early Childhood Education Majors. Elective for Childhood majors.
EDUC 2201	Classroom Mangmt & Instruction	3	An introduction to research based effective strategies for classroom instruction and management. Topics include setting up your first classroom, designing lessons and assessments, enhancing critical thinking skills, theories of motivation, and effective communication with parents and administration. Required for Education minors and Jewish education concentrators. EDUC elective for Education majors.
EDUC 2300	Intro to Elementary Education	3	Survey of learning, teaching, and schooling for children (Grades 1-6) from historical, philosophical, sociological, cultural, and political perspectives. Analysis of conceptions of teachers, schools, and learning based on students' own experiences as learners and as represented in educational scholarship. This course includes 25 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for all Childhood Education majors. Elective for EDUC minors. Students are responsible for their own transportation.
EDUC 2301	Lang & Lit in Elem Edu I	3	Exploration of theoretical models and empirical studies related to the sequential development of language acquisition and literacy. Instructional strategies and classroom environments facilitating success in listening, speaking, reading, and writing. The role of literature in the development of literacy. Formal and informal assessments of learning. Instructional issues and methods for teaching English language learners. Exposure to methods of reading/writing remediation and enrichment for special populations. This course includes 25 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for all Childhood Education Majors. Students are responsible for their own transportation.
EDUC 2302	Lang&Lit in Elem Ed II	3	The purpose of this course is to advance the exploration of literacy instruction in the elementary grades (1-6), with a continued focus on listening, speaking, reading, and writing. We will continue to investigate structured literacy and principles from the Science of Reading (SoR). Students will further examine the issues with balanced literacy and how structured literacy can be used to meet all students' needs. This course also includes 16 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Students are responsible for their own transportation; Elective for Early Childhood majors and EDUC minors. Prerequisite(s): EDUC 2301.
EDUC 2303	Teaching Social Studies	3	Concepts, methods, and strategies for teaching social studies according to NYS Learning Standards at the early childhood and elementary level. Approaches to thematic and interdisciplinary curriculum planning, including inquiry methods for studying - history, economics, civics, geography, global education, and current events -with diverse student populations. Digital and media literacy and arts- based learning experiences included. Required for Early Childhood and Childhood Education Majors.
EDUC 2304	Math Methds & Curric	3	Strategies for mathematics instruction and classroom activities with diverse student groups. Exploration of current issues and trends in mathematics education, including the role of technology. This course includes 16 hours of field work over the course of the semester any morning Monday through Friday. The student will be placed by the Clinical Fieldwork Supervisor in an appropriate classroom that meets the fieldwork requirements for the course. Required for Childhood Education Majors. Students are responsible for their own transportation; Elective for Early Childhood majors and EDUC minors.
EDUC 2307	Teaching Science	3	Basic concepts in contemporary science curricula. Examination of Next Generation Science and NYS P-12 Science Learning Standards in Science for grades 1-6. Instructional techniques, materials, hands-on activities, inquiry models, technological applications, and curriculum design for diverse student populations. Required for Childhood Education Majors. Elective for Early Childhood majors.
EDUC 2807	Literature of Pedagogy	3	An exploration of classic and contemporary educational texts grounded in the experiences of teachers and teaching. Introduces students to core tenets of educational theory policy, practice and philosophy. Required for Jewish Education Majors. Elective for Early Childhood & Childhood. Education majors.
EDUC 2890	The Arts in Education	3	A survey of concepts, skills, and methods for infusing classrooms with arts-based learning. Analysis of the role of the arts in human experience and in promoting creative thinking. Students participate in music, dance, theater, and visual art activities and learn how to design, instruct, assess, and differentiate arts-based learning. Required for Early Childhood Education majors. Elective for Childhood Education majors and Education minors.

EDUC 2895	Intro To Museum Education	3	An elective course for the Education major designed to introduce students to the field of museum education, Held at the YU museum, the seminar exposes students to the role of the museum educator, how teachers partner with museum educators, experiential learning practices, and instructional design in alternative contexts. Elective for Early Childhood and Childhood Education Majors.
EDUC 2930	Senior Seminar In Edu	3	The senior seminar course is the companion course to the full-time childhood education student teaching practicum EDUC 2940. Students will have the opportunity to reflect, discuss, analyze and evaluate their 70 day immersive student teaching experiences within a supportive cohort model. Students will receive direction on preparing for certification exams, career guidance, and professional feedback from supervisors. Corequisite(s): EDUC 2940. Required for Childhood Education Majors.
EDUC 2935	Senior Seminar in EC Edu	3	The senior seminar course is the companion course to the full-time early childhood education student teacher practicum EDUC 2945 Students will have the opportunity to reflect discuss analyze and evaluate their 70 day immersive student teaching experiences within a supportive cohort model. Students will receive direction on preparing for certification exams, career guidance and professional feedback from cooperating teachers and supervisors. Corequisite(s): EDUC 2945. Required for Early Childhood Education Majors.
EDUC 2940	Student Teaching	6	Full time 70 day semester long immersive student teaching under the supervision of a teacher of record and a faculty supervisor. Student teaching is three full days and two half days (Wednesday & Friday) Students plan, implement and assess whole class instruction, integrating research-based practices for effective childhood pedagogy, curriculum design, social-emotional learning, and classroom management. Corequisite(s): EDUC 2930.
EDUC 2945	EC Student Teaching	6	Full time 70 day semester long immersive student teaching under the supervision of a certified teacher of record and a faculty supervisor. Student teaching is three full days and two half days (Wednesday & Friday. Students plan, implement and assess whole class instruction, integrating research-based practices for effective early childhood pedagogy, curriculum design, social-emotional learning, and classroom management. Corequisite(s): EDUC 2935 Required for Early Childhood Education Majors.
EDUC 3035	Educ. Leadership & Supervision	3	Introduces students to fundamental concepts and theories of educational leadership and supervision. Topics include models of leadership, characteristics of educational organizations, women and leadership, decision making, change theory, community building, and communication practices.
EDUC 3405	Psychology of Play	3	Explores the power of play and its impact on social, emotional and cognitive development across the lifespan. Through the review of current research, observations and participation in play, students will study essential elements of play in life and in learning.
EDUC 4003	Ed Exceptional Child	3	Introduction to the education of children with developmental and learning needs: course provides a survey of prevailing and preferred educational practices for children significantly handicapped by physical, sensory, neurological, intellectual, and affective problems, as well as perspectives on students with cultural, linguistic and economic diversity. Issues related to the various aspects of the delivery of services for children with disabilities, identification of student needs, use of appropriate teaching strategies as well as social and cultural construction of disability will be examined. Students will become familiar with the characteristics and learning styles of students with a broad range of backgrounds and needs. Students will gain professional knowledge and understanding of the five competency areas of the NYS EAS (Education for All Students) certification exam. Required for Early Childhood and Childhood Education majors.
EDUC 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.
EDUC 4910	Honors Prog Senior Project I	0 TO 1	This course fulfills the first semester requirements for Education Honors Project Research. Previously offered as EDUC 4910H.
EDUC 4920	Honors Prog Senior Project II	0 TO 3	See Academic Information and Policies section.
EDUC 4930	Topics in Education	3	Special Topics in Educational philosophy, history or contemporary issues
EDUC 4932	Topics:	3	Selected topics in Education. EDUC Elective for majors.
EDUC 4933	Topics:	3	Selected topics in Education
EDUC 4934	Topics	3	Selected topics in Education
ENGL 1010	Essentials of Writing	3	Introduction to basic writing skills. By assignment only.
ENGL 1100	Composition and Rhetoric	3	Introduction to academic argument and the thesis/claim/evidence form of essay writing, including thesis development, writing process and revision, analytical and research methods. Counts for Modes of Expression requirement.
ENGL 1200	Freshman Honors Seminar	3	Introduction to academic argument and the thesis/claim/evidence form of essay writing, including thesis development, writing process and revision, and analytical and research methods. This course is open only to Distinguished Scholars, who substitute it for Composition and Rhetoric. Counts towards Modes of Expression requirement. Three hours of lecture plus conferences.
ENGL 1500	Media Studies	3	This course defines media broadly as including oral, print, photographic, broadcast, cinematic, and digital cultural forms and practices. The course looks at the nature of communication, the transformation from consumers into producers, the functions of media, and the institutions that help define media's place in society. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1501	News Writing and Reporting	3	Fundamentals of journalism, featuring news writing skills and reporting techniques. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1502	Feature Writing	3	Focuses on the skills and techniques to write articles or stories for newspapers, magazines, or news websites. Prerequisite(s): ENGL 1100 or ENGL 1200. Elective for Media Tracks & Creative Writing. Counts toward Writing Minor, Required for Journalism.

ENGL 1503	Columns & Editorials	3	Advanced writing seminar. Focuses on the skills and techniques of writing unsigned editorials and signed columns for newspapers, magazines, and Web-based publications. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1521	Digital Journalism	3	Students will develop skills to work in a modern newsroom. They will generate story ideas and work them through by interviewing, researching, taking photos, and ultimately putting it all together for an article. Elective for Media Tracks. May count towards Creative Writing Track and Writing Minor. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1600	Advertising Copywriting	3	Writing copy for various kinds of promotional materials. Elective for Media tracks, May count towards Writing minor. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1610	Adv Advertising Copywriting	3	Advanced work in writing copy, leading to a Portfolio. Prerequisite(s): ENGL 1100 or ENGL 1200. Elective for Media Tracks & Creative Writing. Counts toward Writing Minor. Required for Advertising.
ENGL 1720	Topics in Media Studies	3	This is an introductory topics course in media studies. Topics will vary each semester. Previous topics include online journalism and advertising, writing for online media applications, and content creation. Prerequisite(s): ENGL 1100 or ENGL 1200. May be repeated if topic is different.
ENGL 1800	Intro to Creative Writing	3	A creative writing course that introduces students to multiple genres. Presupposes no prior experience with college-level creative writing. Students are encouraged to take this course prior to other creative writing classes, and they are required to take it before taking an advanced creative writing class. Open to all, though individual professors may alter the class and its requirements for students in the creative writing concentration. May count towards Creative Writing Track and Writing Minor. Prerequisite(s): ENGL 1100 or 1200.
ENGL 1801	Writing Fiction	3	A creative writing course introducing students to the writing of fiction. Students read examples from short stories and novels, learn about the elements of plot, character development and setting, and write and revise their own stories. Set up as a writing workshop, the course enables students to regularly share their work with their teacher and their peers. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1802	Writing Creative Nonfiction	3	A creative writing course introducing students to the writing of creative nonfiction. Students read examples of the essay from a range of time periods and write and revise their own. Set up as a writing workshop, the course enables students to regularly share their work with their teacher and their peers. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1805	Creative Writing Online	3	Through discussion, written analysis, and creative writing exercises, this course explores creative writing from various perspectives, stressing elements such as imagery, metaphor, voice, and musicality, including both traditional and modern approaches to poetic form. Students will learn how to create their own basic websites for sharing their work. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1811	Writing for Television	3	Students will learn about the craft of television writing through analysis of existing shows and by writing an episode. Discussion and critique workshop. Prerequisite(s): ENGL 1100 or ENGL 1200. Elective for other Media Studies Tracks and Creative Writing. Counts toward Writing minor.
ENGL 1812	Screenwriting	3	The course teaches the process of learning to apply one's vision to a cinematic medium within a specific story genre. Topics: dramatic subject matter; developing the scene; plot construction; creating and developing characters; dialogue; writing subtext and subplots; how to market and sell a script. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1815	Writing Women's Lives	3	A seminar in memoir writing, developing narrative techniques that convey how the self is reinvented and refined through experience. Topics include the self and its roots, the self and community, growth, and coming of age. May count towards the Creative Writing Track (crosslisted); May count towards Writing minor; May count towards Interpreting Literature and the Arts; May count towards IIC Intro. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1900	Advanced Creative Writing	3	A course that builds upon the skills established in Introduction to Creative Writing and other CW courses. The course will lead students to create a portfolio of their work. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 1920	Topics in Creative Writing	3	Topics vary. May be repeated for credit. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2000	Textual Methods and Theory	3	Who decides what texts mean? Are some interpretations better than others? Does the author's intention matter? How does language work? In this foundational course, we will study texts of the cultures around us, as well as literature. May count towards Interpreting Literature and the Arts; Prerequisite(s): ENGL 1100 or ENGL 1200. Required for the English Major and Minor.
ENGL 2003	Survey of British Lit I	3	History of British literature and culture focusing on major works from the earliest literature through Donne. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2004	Survey of British Lit II	3	History of British literature and culture focusing on major works from Milton through 1870. Interpreting Literature and the Arts, IIB Intro. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2005	Survey of British Lit III	3	History of British literature and culture from 1879 to the present. Prerequisite(s): ENGL 1100 or ENGL 1200. Fulfills II C Intro.
ENGL 2006	Survey of American Lit I	3	Development of American literature through 1870. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2007	Survey of American Lit II	3	Development of American literature, 1870 to the present. Interpreting Literature and the Arts, IIC Intro; Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2510	American Literature & Culture	3	This course asks you to think about literary texts as engaging with their culture. Drawing upon both literary texts and other kinds of cultural documents (for example: film, photographs, newspapers), you will look at American literature in a cultural context and explore the way literary texts and nonliterary texts can speak to one another. The topic will change depending on the instructor. Prerequisite(s): ENGL 1100 or ENGL 1200.

ENGL 2520	Lit & Culture:Roaring Twenties	3	A detailed examination of the cultural history of American in the 1920s. Explores concepts such as the Jazz Age, The Lost Generation, and the idea of modernity in relation to a variety of media, including film, novels, poetry, history, and music. Prerequisite(s): ENGL 1100 or ENGL 1200. Fulfills II C Intro. Counts toward Amer. Studies Minor.
ENGL 2580	American Jewish Literature	3	Literature by Jewish writers in the United States from the late nineteenth century to the present. Focuses on how these authors describe immigration and Americanization, explore the conflicts between tradition and modernity, portray the Jewish family, deal with the legacy of the Holocaust, conceive of Jewish self-identity, and negotiate Jewish stereotypes. Authors include Abraham Cahan, Anzia Yezierska, Henry Roth, Isaac Bashevis Singer, Philip Roth, Bernard Malamud, Saul Bellow, Tillie Olsen, Grace Paley, Woody Allen, and Wendy Wasserstein. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2590	African American Literature	3	The course offers an overview of literature written by African Americans from the mid-19th century to the present. Readings include works of autobiography, fiction, poetry, and non-fiction by: Harriet Jacobs, Booker T. Washington, W.E.B. DuBois, Zora Neale Hurston, Langston Hughes, Richard Wright, Ralph Ellison, Martin Luther King Jr, Rita Dove, and Toni Morrison. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2600	Topics: Historical Approaches	3	This is an introductory topics course in literature. Topics will provide an overview of one or more historical periods in literature, cover at least a one-hundred-year span and will vary each semester. May be repeated if topic is different. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2700	Intro to Film	3	Studies how meaning is produced in cinema and teaches how to analyze a diverse range of filmmaking practices. Covers key concepts and theories of cinema as an aesthetic medium and as a social practice. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2710	Introduction to Fiction	3	This course will introduce students to basic elements of fiction, such as perspective, character, plot setting, and narrative time. Students will read examples of different forms of fiction via short stories and novels, as well as basic introductions to theories of fictional narrative. May count towards Interpreting Literature and the Arts and IIIB Intro. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2720	The American Short Story	3	Traces the development of the American Short Story, early nineteenth century to the present. Authors may include Nathaniel Hawthorne, Edgar Allen Poe, Herman Melville, Charles Chestnut, Katherine Anne Porter, F. Scott Fitzgerald, William Faulkner, Shirley Jackson, Philip Roth, Bernard Malamud, Raymond Carver, Dorothy Parker, Joyce Carol Oates, Leslie Silko. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2740	Classic Modern Novels	3	Intensive study of landmark novels, some in translation, by authors who have explored new territory in modern fiction. Prerequisite(s): ENGL 1100 or ENGL 1200. Fulfills III C Intro.
ENGL 2750	The Graphic Novel	3	Explores the graphic novel through a variety of genres, such as memoir, history and adventure. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2770	Intro to the Essay	3	This course treats a range of essay forms and considers some of the standard rhetorical devices used in writing nonfiction: persuasion, comparison and narration. We begin by reading classic essays by Montaigne, Daniel Defoe, and Samuel Johnson and end with a selection of literary non-fiction works by writers like Joan Didion, Annie Dillard, Tom Wolfe and John McPhee. In the course, you will be expected to write several short imitation essays in the style of an author we read. Your final project will be to craft, in several drafts, a long essay. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2779	Fact&Fiction: Amer Lit Nonfict	3	The development since World War II of alternative forms of journalism in America literary nonfiction, new journalism, personal journalism, the nonfiction novel. Considers why some journalists in the 20th century intentionally have departed from standard practices valued by mainstream journalists, forgoing the objective stance to include their own involvement in the story. Connection between form and subject matter and what makes a piece of journalism. Authors include Capote, Agee, Hersey, McCarthy, Mitchell and Ross as well as more contemporary writers. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2791	Children's Literature	3	In this course, students will read and discuss works in the history of literature written for child readers. They will study 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. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2792	Comedy and Satire	3	Theories of and studies in comedy and satire, from their classical roots through the present. Authors covered may range from Aristophanes to Jon Stewart/Stephen Colbert. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2793	Novels and Screens	3	Studies adaptations of novels to film, television and the internet and vice versa. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2794	Short Fiction and Film	3	This course examines the distance and difference between film adaptations and the short stories upon which the movies are based. Focusing on content and form, the course explores the narrative, auditory and cinematic techniques involved in adapting a story from one medium to another. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2795	Magic Realism & Uncanny Lit	3	Intensive study of five landmark novels, some in translation, by authors including Franz Kafka, Gabriel Garcia Marquez, and others. Focuses on work that explores new territory in modern fiction incorporating elements of fantasy, magic, and the surreal. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2800	Lit & Culture of the Amer City	3	Instructors may focus on how writers have responded to intensifying urbanization in the United States or Britain and the role of literature in defining a distinctly urban culture or on how a particular city such as New York or London has been represented in literature or culture over time. Usually the focus will be on one city. Counts toward the minor in American studies when focus is on American urban scene. Prerequisite(s): ENGL 1100 or ENGL 1200.

ENGL 2810	Harlem Renaissance	3	The course examines literature alongside art and music of the period and introduces some of the events and people that helped create the Harlem Renaissance. Prerequisite(s): ENGL 1100 or ENGL 1200. Fulfills III C Intro.
ENGL 2820	Literature & the Environment	3	Introduces central literary environmental texts and debates within the field of eco-criticism. Examines how the environment, be it natural or humanly constructed, informs our language and literature, and how literature can influence attitudes towards nature and its preservation (and/or conservation.) Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2830	Ren Drama Other Than Shakespea	3	Consideration of the plays in the contexts of Renaissance and modern theatrical and dramatic conventions. Examination of writers such as Marlowe, Beaumont and Fletcher, Jonson. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2834	Shakespeare:Tragedies &Romance	3	Consideration of selected works by Shakespeare, focusing on the tragedies and romances. May count towards Interpreting Literature and the Arts and IIC Intro. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2835	Shakespeare:History & Comedies	3	Consideration of selected works by Shakespeare, focusing on the histories and comedies. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2841	Arthurian Legends	3	Examines the myth of King Arthur from its origin in the Middle Ages to its later retellings in Victorian and modern literature as well as in contemporary film. Studies the changing representation of Arthurian characters, and the way this legend has been used to discuss chivalry, patriotism, romantic love, and social ideals. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2842	Epics & Ethics of Middle Ages	3	The literature of the Middle Ages, roughly marked as a period of European history from the fall of the Roman Empire in the 5th century to the fall of Constantinople in the 15th century, is unlike any other period of literary history. Crafted during an epoch of commodious circulation and exchange, of goods and resources, as well as peoples, languages, and beliefs; the poetry, epics, prose, and dramas of the medieval period are as rich and diverse as the cultures from which they emanated. In seeking to understand when and how English literature began, we will survey works in translation, originally composed in a variety of languages from Europe, North Africa, and the Near and Middle East, such as Beowulf, The Divine Comedy, The Tale of Genji, and The Thousand and One Nights. Visual art, music, architecture, cultural trends, and socio-political developments of the period will enhance our interactions with texts from a pre-modern past. As we explore emergent genres and thematic concerns of the period, we will also consider to what extent literary discourse from before 1500 carries over into contemporary notions of power/polity, gender equality, civic responsibility, religious freedom, and integrated diversity. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2850	Literature of World War I	3	Examines, novels, short stories, poems, and memoirs of the First World War. Investigates themes such as shell - shock, nationalism, cultural modernism, and memorialization. Prerequisite(s): ENGL 1100 or ENGL 1200. Fulfills III B Intro.
ENGL 2880	Parents and Children	3	The portrayal in literature of the splendors and miseries of having children, of generational conflict, and; of people's changing attitudes, first as young children, then as parents of children and as middle-aged children of aging parents. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2901	Women Studies:Theory & Practic	3	This course introduces some of the issues and debates that characterize Women's Studies. Women's Studies itself is an academic discipline that grew out of the 20th century women's movement. It draws on many different disciplines in the humanities and the sciences in its efforts to describe and understand women's lives. (May be taught by faculty in other departments; required for the minor in Women's Studies.) Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2902	Women & Literature	3	Writings by and about women from 1800 to the present. Novels, stories, poems, and nonfictional prose discussing changing attitudes toward women's roles in education, marriage, society, etc. May be offered in various forms, such as, American Women Writers, British Women Writers. May include works by Jane Austen, George Eliot, Virginia Woolf, Doris Lessing, and contemporary writers. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2920	Topics in Literature	3	This is an introductory topics course in literature. Topics will vary each semester and will explore coherent literary themes. Previous topics have included secular and sacred poetry, American countercultures, magic in American literature, and literature related to painting and film. May be repeated if topic is different. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2926	Myth & Folklore	3	An introduction to Greek, Roman, and Scandinavian mythologies and their function in works of literature ranging from Homer to Gaiman; the course includes a study of the classic fairy tales and their folkloric elements. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2936	Monstrous Imaginations	3	A study of literary representations of the monstrous other in its various guises across a range of texts, periods, and genres. May combine psychoanalytic and sociological approaches to the monster with literary analysis. Readings may begin with classical and medieval monster stories (in translation) and end with contemporary stories such as Rowling's Harry Potter or Meyer's Twilight series. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2950	Classic Texts/Contemp Revision	3	In this course students read classic works alongside later texts written in response, with an aim to consider the ways writers reimagine and respond to canonical texts. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2960	Representations of Holocaust	3	Studies twentieth and twenty-first century shapings of the meanings of the Shoah through specific disciplines, discourses, institutions and media which may include: history, literature, memoir, film, museums, monuments Prerequisite(s): ENGL 1100 or ENGL 1200. Fulfills III C Intro.
ENGL 2970	Interdispl. Approaches to Lit	3	Literature and another discipline, such as philosophy, politics, psychology, science, or the arts. May be repeated, since the subject matter varies from term to term. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 2971	Literature and Social Change	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. May count towards Interpreting Literature and the Arts and IIC Intro. Prerequisite(s): ENGL 1100 or ENGL 1200.

ENGL 3210	Rise of Novel & Rep. of Self	3	Asks how the eighteenth- and early nineteenth-century English novel contributed to the creation of the modern character (i.e. the modern self) by representing the subjectivity of their protagonists. Considers contemporary theories of human nature and identity and current theories about the development and structure of the novel form. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3351	Modernism	3	Modernist texts in English focusing on fiction and poetry from 1900-1930. An introduction to the intellectual and technological backgrounds of modernism and their relationship to modernist themes in the visual arts. Writers may include Conrad, Stein, Joyce, Lawrence, Pound, Eliot, Yeats, Hemingway, Faulkner, Fitzgerald, and Hurston. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3400	The Irish Renaissance	3	Will explore Irish literature of the late nineteenth and early twentieth centuries, focusing on the Literary Revival and issues of language, nationality, and colonialism. The course could also explore subsequent writers who were influenced by the Irish Renaissance. May count towards Interpreting Literature and the Arts and IIIB ADV. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3525	Transcendentalism	3	Intensive - examination of essays, lectures, poetry, and cultural contributions of American Transcendentalist writers and those they influenced. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200. Fulfills III C Advanced.
ENGL 3600	Brave New World: Global Lit	3	Contemporary writers whose linguistic and cultural roots are in West and South Africa, Asia, and the Caribbean. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3675	Amer. Playwrights&Their Plays	3	Intensive study of important dramatists and theatrical movements of the 20th century. Through reading and analyzing plays and relevant theoretical and historical essays, attending performances, acting out portions of plays, and writing a research paper, students actively participate in a multidimensional examination of American playwrights such as Eugene O'Neill, Arthur Miller, David Mamet, August Wilson, and Wendy Wasserstein. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3731	Development of Brit.Novel I	3	Traces the emergence of the novel as a literary form and provides an introduction to Defoe, Richardson, Fielding, Sterne, Burney, and Austen. Topics include; the novel of sentiment, the novel of sensibility, the gothic novel, and the novel of manners. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3732	Development of Brit Novel II	3	Focuses on the English novel in the 19th century and may include work by the Bront Dickens, Eliot, Trollope, and novels of sensation by writers like Collins and Braddon. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3733	Development of Brit Novel III	3	Treats twentieth-century experiments in fiction. Authors may include Conrad, Joyce, Lawrence, Woolf, Lessing, Byatt, Coetzee, and Rushdie. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3792	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. Interpreting Literature and the Arts: IIIB ADV. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3920	Topics in Literature-Advanced	3	This is an advanced topics course in literature. Topics will vary each semester and may be either historical or thematic in focus. Previous topics have included transatlantic modernism, women's autobiography, Irish literature, and various courses focused on major authors. May be repeated if topic is different. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 3922	Major Authors	3	Works by a maximum of four major authors, usually English, American, or both. This course may be repeated; subject matter varies. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 4000	Sr Exit Project Literature	1	A long, original research paper of about 25-30 pp. pages or a portfolio of carefully revised papers equaling 25-30 pp. and introduced by a substantive, additional 3 page self-reflexive analysis. Each senior project is developed one-on-one under the mentorship of a faculty advisor and second reader. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 4001	Sr Exit Project Creative Writ	1	Although portfolio page lengths will vary greatly depending on genres and forms included, we encourage you to aim for a minimum of 40 pages. Exceptions may be made in certain cases, and you should consult with your portfolio director for specific recommendations. Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 4002	Sr Exit Project Media Studies	1	Prerequisite(s): ENGL 1100 or ENGL 1200; and at least one English literature course or an A in ENGL 1100 or ENGL 1200.
ENGL 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. Prerequisite(s): ENGL 1100 or ENGL 1200.
ENGL 4910	Honors Prog Senior Project I	0 TO 1	This course fulfills the second semester requirements for English Honors Project Research. Previously offered as ENGL 4910H.
ENGL 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for English Honors Project Research.
ENGR 4901	Independent Study	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. See Academic Information and Policies section.

ENGR 4930	Topics in Engineering	3	This course is designed to allow students of strong science and math aptitudes to lay the groundwork for entering the Engineering field. Prerequisite(s): PHYS 1051 or permission of instructor.
FYSW 1000	First Year Seminar	0	The First Year Seminar (FYS) is designed to help students become successful members of the Yeshiva University community and in the classroom. Over the course of the semester, students will explore topics that will help them cultivate good academic habits, study skills, and become part of the YU community from various guest speakers from the campus.
HAL 5031	Jewish Law II:Kashrut	1 TO 5	
HAL 5032	Halakhah II	1 TO 6	
HEBR 1001	Basic Hebrew Language I	2	The main focus of this course is appreciating the Divine Hebrew word. This will be accomplished through phonetic reading, language acquisition and an understanding of the religious significance of the texts studied. Students will pay close attention to the specific letters and words used in Tanach. This will enable them to understand the text more fully. In doing so, students will process how these texts connect us to our Torah.
HEBR 1002	Basic Hebrew Language II	2	By utilizing texts that are integral to our daily routines, such as the Shmoneh Esrei (Amidah), we build a language curriculum that is not only practical but deeply meaningful. The Shmoneh Esrei serves as a rich foundation for vocabulary acquisition and grammar development. Each prayer encapsulates a myriad of words and grammatical structures that are relevant to both ancient and modern Hebrew usage. In this course, special emphasis will be given to translating what we know from traditional sources to modern Hebrew usage. By delving into these prayers, learners not only expand their linguistic proficiency but also deepen their understanding of Jewish concepts and values.
HEBR 1003	Lower Elementary Hebrew III	2 TO 3	
HEBR 1010	Hebrew Level I	1 TO 2	By assignment only.
HEBR 1020	Hebrew Level II	2	By assignment only.
HEBR 1030	Hebrew Level III	2	By assignment only.
HEBR 1211	Intermediate Hebrew	2	By assignment only.
HEBR 1221	Upper Intermediate Hebrew	2	By assignment only.
HEBR 1231	Conversational Hebrew	2	Directed toward the development of fluency in speaking Hebrew.
HEBR 1233	Advanced Hebrew Conversation	2	Development of fluency in speaking Hebrew. For upper intermediate-advanced level students.
HEBR 1234	Conversation	1 TO 3	Development of fluency in speaking Hebrew. For upper intermediate-advanced level students
HEBR 1240	Topics for Bible in Hebrew	2	An advanced Bible course conducted entirely in Hebrew using the Ivrit B'Ivrit [Hebrew-in-Hebrew] immersion methodology. Emphasizes Hebrew language proficiency and exegetical skills. Topics vary by semester. Cross-listed with an advanced-level Bible course. May not be repeated for credit. Prerequisite(s): Placement via the Hebrew Placement Exam at the HEBR 1211 or HEBR 1221 level, or departmental permission.
HEBR 1321	Biblical Hebrew	2 TO 5	Review of basic forms; principles of phonology, morphology, and syntax.
HEBR 1409	Advanced Conversation	2 TO 3	Spoken modern Hebrew, using advanced textbooks and Israeli newspapers.
HEBR 2525	Mediev Hebrew Poetry	2 TO 5	Selected readings in the Hebrew poetry of the Middle Ages, with emphasis on Yehudah Halevi, Shmuel Hanagid, Solomon Ibn Gabirol, and Abraham Ibn Ezra.
HEBR 2567	Modern Hebrew Literature	2 TO 3	The movement for Enlightenment (Haskalah) and the national renaissance, with readings in the major writers of the period.
HEBR 2568	Modern Hebrew Lit	2 TO 3	The movement for Enlightenment (Haskalah) and the national renaissance, with readings in the major writers of the period.
HEBR 2669	Hebrew Short Story of 20th Cen	2 TO 3	Detailed examination of the short story genre, its main characteristics, motifs, themes, and techniques as reflected in the works of various 20th century writers.
HEBR 2810	Agnon	2 TO 5	
HEBR 4901	Independent Study	1 TO 3	See Academic Information and Policies.
HEBR 4935	Topics	2 OR 3	
HES 1400	IP:	1 TO 20	Block credits transferred to the BA/BS transcript for courses taken in the University's S. Daniel Abraham Israel Program. Up to 27 credits per year are granted at Stern College for Women or Sy Syms School of Business.
HES 1401	IP:	1 TO 18	Block credits transferred to the BA/BS transcript for courses taken in the University's S. Daniel Abraham Israel Program. Up to 27 credits per year are granted at Stern College for Women or Sy Syms School of Business.
HIST 1101	The Emergence of Europe	3	Major themes in the cultural, political, and social evolution of the West from antiquity to the Reformation.
HIST 1102	The Transformations of Europe	3	Survey of European history from the age of absolutism to the European Union of today.
HIST 1105	History of Ancient Near East	3	
HIST 1201	Survey of U.S. History	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.
HIST 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.
HIST 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.
HIST 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.
HIST 2101	Medieval Societies	3	History of European politics, society, and religion in the Middle Ages, from the 5th to the 14th centuries, with a particular focus on selected primary sources from the period and how historians view them today.

HIST 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 JHIS 2103.
HIST 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.
HIST 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.
HIST 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.
HIST 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.
HIST 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.
HIST 2144	Polish-Jewish Relations	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 late 18th 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. Same as JHIS 2144.
HIST 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.
HIST 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 ethnolinguistic nationalism in the final decades prior to World War I.
HIST 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.
HIST 2155	Hist Imperial Russia1700-1917	3	This course examines the history of Imperial Russia from the rise of Peter the Great in the late 17th century to Nicholas II and the Russian Revolutions of 1917. Topics include Peter the Great's reign, Catherine the Great's dramatic territorial gains for Russia, Tsar Alexander I's military reforms and the defeat of France, the Great Reforms during the reign of Tsar Alexander II, the period of reaction and revolution in late Tsarist Russia, the nationalities with a focus on Poles and Jews, and the collapse of the Russian Empire in 1917.
HIST 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.
HIST 2159	History of Modern Germany	3	This course surveys the history of modern Germany from the age of Bismarck to the present.
HIST 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 JHIS 2162.
HIST 2165	Europe since 1945	3	This course traces the history of continental Europe after 1945, with special reference to France, Germany, and the Soviet Union.
HIST 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.
HIST 2220	History of American Presidency	3	This introductory course examines the development and evolution of the American Presidency.
HIST 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.

HIST 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.
HIST 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 exodus. It concludes by examining the decline and revival of Jewish neighborhoods in New York today. Crosslisted with JHIS 2232.
HIST 2234	History of Women in the U.S.	3	Historical survey of women's experiences in the United States from the colonial era to the present; changes in the economic role of women; family life; changing ideals of womanhood; suffrage movement; and feminism.
HIST 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.
HIST 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 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.
HIST 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.
HIST 2503	New World Encounters	3	The arrival of Columbus' 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?
HIST 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'.
HIST 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.
HIST 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.
HIST 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.

HIST 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.
HIST 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).
HIST 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.
HIST 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.
HIST 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? Elective for Media Tracks. Prerequisite(s): ENGL 1100 or ENGL 1200.
HIST 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-state 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.
HIST 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.

HIST 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): HIST 1101 or permission of the instructor.
HIST 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. Huizinga, Fernand Braudel, E. P. Thompson, and Natalie Davis- in order to survey the range of approaches to the study of the past.
HIST 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.
HIST 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.
HIST 4901	Independent Study	1 TO 3	See Academic Information and Policies section.
HIST 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for History Honors Project Research.
HIST 4920	Honors Prog Senior Project II	1 TO 3	This course fulfills the second semester requirements for History Honors Project Research. Previously offered as HIST 4920H.
HIST 4930	Topics in History	3	In-depth coverage of selected topics. May be repeated for credit if topic is different.
JEDU 2312	Teaching Hebrew	0 TO 3	
JEDU 2319	Teaching Jewish Stud & Fieldwk	3	This class is taken in the fall of the junior year and includes 2 hours fieldwork and 2 hours of seminar/week. Students are responsible for their own transportation.
JEDU 3215	Jewish Education Field Work	1	This class is taken during the spring of the sophomore year and includes fieldwork on five Fridays and one hour of seminar/week. Permission of instructor; For Sophomores in Jewish Edu Track
JEDU 3216	Jewish Edu Seminar & Fieldwork	1	This class is taken during the spring of the junior year and includes 30 hours of fieldwork and 1 hour of seminar/week.
JEDU 3218	Jewish Education Field Work	1	This class is taken during the fall of the senior year and includes 30 hours of fieldwork and 1 hours of seminar/week.
JEDU 3225	Jewish Ed - Student Teaching	6	Full-time student teaching under the supervision of a master teacher and a faculty supervisor. Students plan and implement whole class instruction and create a portfolio that will document their growth as a teacher. Corequisite(s): JEDU 3226. For seniors in Jewish Edu Track; Mon, Wed, Thurs - all day. Tues, Fri - until noon.
JEDU 3226	Jewish Ed-Student Teaching Sem	3	For Jewish Education student teachers. Analysis of the student-teaching experience. Topics include promoting student motivation, classroom management strategies, student diversity, working with parents and school personnel, trends in educational reform, and sources for professional development, including Internet resources. Students create a professional portfolio documenting their development as teachers over the course of the program. Corequisite(s): JEDU 3225. For seniors in Jewish Edu Track.
JEDU 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Jewish Education Honors Project Research.
JEDU 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Jewish Education Honors Project Research.
JHI 5031	History of the Oral Law I	2 TO 3	
JHI 5032	History of the Oral Law II	2 TO 3	
JHI 5033	History of the Oral Law III	2 TO 3	
JHI 5034	History of the Oral Law IV	2 TO 3	
JHI 5035	History of Oral Law V	2	
JHIS 1001	Survey Jewish History	.5 TO 6	Political, social, economic, and cultural currents in the history of the Jews from the Second Commonwealth through modern times. First semester: Second Commonwealth, late Roman period, and Jewry in the orbit of Islam; second semester: the Jews in medieval Christendom; the development of modern Jewish history.
JHIS 1002	Survey Jewish Hist II	.5 TO 6	Political, social, economic, and cultural currents in the history of the Jews from the Second Commonwealth through modern times. First semester: Second Commonwealth, late Roman period, and Jewry in the orbit of Islam; second semester: the Jews in medieval Christendom; the development of modern Jewish history.
JHIS 1101	The Biblical Period	.5 TO 6	History of the Jews to the end of the First Commonwealth, 586 BCE.
JHIS 1150	History of Jerusalem	3	This course surveys the religious, political, and cultural history of Jerusalem over three millennia.
JHIS 1201	Classical Jewish History	2	History of the Jews from the Second Commonwealth through the Talmudic period (586 BCE to 500 CE).
JHIS 1202	Classical Jewish History	2	History of the Jews from the Second Commonwealth through the Talmudic period (586 BCE to 500 CE).
JHIS 1233	Early Jewish Movements	2 TO 3	Systematic survey of the Sadducees, Essenes, Dead Sea Sect, Sicarii, Zealots, and other movements during the period of the Second Commonwealth; their relationship to biblical, Apocryphal, and rabbinic Judaism as well as other movements, notably Christianity.
JHIS 1235	Dead Sea Scrolls	3	Archaeological, historical, and literary aspects of the scrolls; their place in the development of the Hebrew language and Jewish thought.
JHIS 1301	Medieval Jewish History	2	The Jewish people from the Gaonic period (500 CE) to the Expulsion from Spain (1500).
JHIS 1302	Medieval Jewish History	.5 TO 6	The Jewish people from the Gaonic period (500 CE) to the Expulsion from Spain (1500).
JHIS 1321	Jews In Christendom	2 TO 3	Jewish settlement in Italy and Franco-Germany; Rashi and the Tosafists; law and society; the Crusades and the origins of medieval anti-Semitism; Christian Spain disputations, conversions, and Expulsion; the Jews in the Renaissance.
JHIS 1329	History of Halakhah	.5 TO 6	Historical development of post Talmudic legal decision making.
JHIS 1330	History of Minhagim	.5 TO 6	Historical development of post Talmudic customs and practices.
JHIS 1335	The Jews of Medieval Spain	3	The Jews in Christian and Moslem Spain; the Golden Age; the Expulsion.

JHIS 1344	Jewsh-Chris Polemics	2 TO 3	The debates between Christians and Jews in the Middle Ages based on differences in philosophy and biblical exegesis; their role in shaping and reflecting social and legal relationships.
JHIS 1345	Jewish Christian Polemics	.5 TO 6	
JHIS 1401	Modern Jewish History	2	Rise and flowering of the Eastern European Jewish communities; Hasidism; the Enlightenment; the Emancipation and development of Western European Jewry; American Jewry; new religious currents; modern anti-Semitism and the Holocaust; Zionism and the founding of the State of Israel. First semester, 1600 1900; second semester, 1900 1948.
JHIS 1402	Modern Jewish History	.5 TO 6	Rise and flowering of the Eastern European Jewish communities; Hasidism; the Enlightenment; the Emancipation and development of Western European Jewry; American Jewry; new religious currents; modern anti-Semitism and the Holocaust; Zionism and the founding of the State of Israel. First semester: 1600-1900; second semester: 1900-1948.
JHIS 1403	Destruction of Polish Jewry	.5 TO 6	Seminar analyzing the destruction of Polish Jewry during World War II.
JHIS 1410	Modern Israel	.5 TO 6	
JHIS 1415	History of Zionism	.5 TO 6	Rise and development of modern Jewish nationalism against the backdrop of contemporary Western civilization and the scope of Jewish history; writings of major Zionist ideologues; role of Zionism within the major Diaspora communities; impact of the rise of the Jewish state movement on the world political and diplomatic scene.
JHIS 1416	History of Zionist Movement	.5 TO 6	Rise and development of modern Jewish nationalism against the backdrop of contemporary Western civilization and the scope of Jewish history; writings of major Zionist ideologues; role of Zionism within the major Diaspora communities; impact of the rise of the Jewish state movement on the world political and diplomatic scene.
JHIS 1451	History of Polish Jewry	.5 TO 6	History of the Jewish people in Eastern Europe from the Early Settlement to the Third Partition of Poland (1795).
JHIS 1452	History of Polish Jewry	.5 TO 6	History of the Jewish people in Eastern Europe from the Early Settlement to the Third Partition of Poland (1795).
JHIS 1471	Jews of Modern Mideast	2 TO 3	Communal, economic, and cultural history of the Jews in Moslem lands in modern times.
JHIS 1485	The Holocaust	.5 TO 6	The Holocaust.
JHIS 1486	The Holocaust	.5 TO 6	The nature of Nazi anti-Semitism; the evolution of the Holocaust to the mass murder of Europe's Jews; Jewish responses and the various rescue attempts, including non-Jews who risked their lives to save Jews.
JHIS 1506	Mod. Jewish Settlement Israel	.5 TO 6	
JHIS 1511	History of Modern Israel	3	Survey of Israeli society, culture and politics from 1948 to the present. Topics: Israel and the Palestinian national movement; global political factors that shaped the Israeli-Palestinian conflict; the social, cultural, and political divisions of Israeli society, and the challenges facing Israel in the twenty-first century.
JHIS 1512	History of Modern Israel	.5 TO 6	Survey of Israeli society, culture and politics from 1948 to the present. Topics: Israel and the Palestinian national movement; global political factors that shaped the Israeli-Palestinian conflict; the social, cultural, and political divisions of Israeli society, and the challenges facing Israel in the twenty-first century.
JHIS 1513	Contemporary Israeli Issues	.5 TO 6	
JHIS 1575	American Jewish History	3	The Jewish community in the United States: its development from earliest times; immigration and settlement; social, economic, and communal development; contribution to American civilization; the modern and contemporary scene. American Jews and the Holocaust, State of Israel, civil rights movement, Russian Jewry, inner-city tensions.
JHIS 1577	Jewish Religion in America	2 TO 3	
JHIS 1807	Topics:	2 TO 3	Selected topics in Jewish history.
JHIS 1812	Hist of Zionism & Israel Advoc	2 TO 3	
JHIS 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 HIST 2103.
JHIS 2144	Polish-Jewish Relations	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 late 18th 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. Same as HIST 2144.
JHIS 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. Also offered as HIST 2162.
JHIS 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 exodus. It concludes by examining the decline and revival of Jewish neighborhoods in New York today. Crosslisted with HIST 2232.

JHIS 2303	History of Palestine	1 TO 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 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. Previously offered as JHIS 1501 or JHIS 1505.
JHIS 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.
JHIS 4901	Independent Study	1 TO 3	See Academic Information and Policies section. May be taken three times for credit towards degree.
JHIS 4930	Topics:	2 TO 3	Selected topics in Jewish history.
JHIS 4931	Topics:	2 TO 3	Selected topics in Jewish history.
JHIS 4932	Topics	2 TO 3	Selected topics in Jewish history.
JHIS 4935	Topics	2 TO 3	Selected topics in Jewish history.
JHIS 4936	Topics:	2 TO 3	Selected topics in Jewish history.
JHIS 4937	Topics:	3	Selected topics in Jewish history.
JHIS 5031	History of the Oral Law I	2 TO 3	
JHIS 5032	History of the Oral Law II	2 TO 3	
JHIS 5111	History of Halakhah	2	
JHIS 5112	History of Halakhah II	2	
JPHI 1119	Concepts in Jewish Thought	2	Not available to student who took JUDS 1350.
JPHI 1131	Intro to Jewish Philosophy	3	Philosophical foundations of Judaism; readings from classical and contemporary writers; major religious and national issues and philosophical concepts. First semester: basic beliefs; second semester: contemporary issues. For beginning, elementary, and intermediate level Jewish studies students.
JPHI 1132	Intro to Jewish Philosophy	.5 TO 6	Philosophical foundations of Judaism; readings from classical and contemporary writers; major religious and national issues and philosophical concepts. First semester: basic beliefs; second semester: contemporary issues. For beginning, elementary, and intermediate level Jewish studies students.
JPHI 1135	Survey of Jewish Philosophy	2	Survey of Jewish thought on selected present day religious, moral, and ethical issues; discussion and analysis based on traditional and contemporary writings. By assignment only. Advisor Approval Required.
JPHI 1136	Survey of Jewish Philosophy	.5 TO 6	Survey of Jewish thought on selected present day religious, moral, and ethical issues; discussion and analysis based on traditional and contemporary writings.
JPHI 1138	Basic Issues in Jewish Philo	.5 TO 6	
JPHI 1203	Issues in Jewish Ethics	.5 TO 6	The moral philosophy of Judaism; individual and social problems in light of Jewish ethical norms and values; readings from selected texts, both medieval and modern.
JPHI 1204	Jewish Ethics	3	The moral philosophy of Judaism; individual and social problems in light of Jewish ethical norms and values; readings from selected texts, both medieval and modern.
JPHI 1205	Jewish Ethics	.5 TO 6	
JPHI 1309	Jewish Eschatology	.5 TO 6	Analysis of textual sources ancient, medieval, and modern dealing with eschatology in Judaism.
JPHI 1372	Polish Hasidism	1 TO 3	
JPHI 1405	Jewish Ethics	.5 TO 6	
JPHI 1483	Life Perspectives	.5 TO 6	
JPHI 1484	Life Perspectives	.5 TO 6	
JPHI 1491	Medieval Jewish Philosophy	.5 TO 6	
JPHI 1611	Medieval Jewish Philosophy	.5 TO 6	Selected topics and readings from Albo, Bahya, Crescas, Yehudah HaLevi, Maimonides, Saadiah, and relevant background study (NeoPlatonism, Kalam, Aristotelianism).
JPHI 1612	Medieval Jewish Philosophy	1 TO 6	Selected topics and readings from Albo, Bahya, Crescas, Yehudah HaLevi, Maimonides, Saadiah, and relevant background study (NeoPlatonism, Kalam, Aristotelianism).
JPHI 1613	Medieval Jewish Philosophy	2	Selected topics and readings from Albo, Bahya, Crescas, Yehudah HaLevi, Maimonides, Saadiah, and relevant background study (NeoPlatonism, Kalam, Aristotelianism).
JPHI 1640	Philosophy of Yehudah Halevi	.5 TO 6	
JPHI 1642	Kuzari	.5 TO 6	
JPHI 1647	Philosophy of Yehudah Halevi	.5 TO 6	Analysis of the Hebrew text of the Kuzari, emphasizing HaLevi's views on the Jewish religion, Jewish history, the people of Israel, and preeminence of the Land of Israel; HaLevi's philosophy and its relevance to contemporary Jewish life and thought.
JPHI 1648	Philosophy of Yehudah Halevi	.5 TO 6	Analysis of the Hebrew text of the Kuzari, emphasizing HaLevi's views on the Jewish religion, Jewish history, the people of Israel, and preeminence of the Land of Israel; HaLevi's philosophy and its relevance to contemporary Jewish life and thought.
JPHI 1649	Advanced Kuzari	3	Analysis of the Hebrew text of the Kuzari, emphasizing HaLevi's views on the Jewish religion, Jewish history, the people of Israel, and preeminence of the Land of Israel; HaLevi's philosophy and its relevance to contemporary Jewish life and thought.
JPHI 1650	Philosophy of Maimonides	3	Selections from the philosophical works of Maimonides: Sefer HaMada of Mishneh Torah, the Eight Chapters, the Guide for the Perplexed.
JPHI 1651	Philosophy of Maimonides	3	More detailed studies of the material covered in JPHI 1650.
JPHI 1652	Philosophy of Maimonides	2	More detailed studies of the material covered in JPHI 1650.
JPHI 1653	Philosophy of Maimonides	.5 TO 6	More detailed studies of the material covered in JPHI 1650.
JPHI 1654	Philosophy of Maimonides	3	More detailed studies of the material covered in JPHI 1650. Guide of the Perplexed.
JPHI 1801	Jewish Thinkers - 18th Century	.5 TO 6	

JPHI 1802	Jewish Thinkers: 18 Century	2	
JPHI 1803	Jewish Thinkers: 19th Century	.5 TO 6	Leading exponents of Jewish thought in the 19th century, with emphasis on the works of Moses Mendelssohn, N. H. Wessely, S. D. Luzzatto, and S. R. Hirsch.
JPHI 1804	Jewish Thinkers: 19th Century	.5 TO 6	Leading exponents of Jewish thought in the 19th century, with emphasis on the works of Moses Mendelssohn, N. H. Wessely, S. D. Luzzatto, and S. R. Hirsch.
JPHI 1813	Modern Jewish Thought	.5 TO 6	Introduction to the philosophical works of the great Jewish thinkers of the past two centuries. Selected readings.
JPHI 1814	Modern Jewish Thought	1 TO 6	Introduction to the philosophical works of the great Jewish thinkers of the past two centuries. Selected readings.
JPHI 1815	East European Jewish Thought	.5 TO 6	Selections of representative religious thought from the writings of the Tanya, the Gaon of Vilna, R. Hayyim of Volozhin, R. Israel Salanter and the Mussar Movement, the Hazon Ish, Rav Kook.
JPHI 1816	East European Jewish Thought	2	Selections of representative religious thought from the writings of the Tanya, the Gaon of Vilna, R. Hayyim of Volozhin, R. Israel Salanter and the Mussar Movement, the Hazon Ish, Rav Kook.
JPHI 1817	Philosophy of Zionism	.5 TO 6	Major idea, approaches and texts during the 19th and 20th centuries.
JPHI 1818	Philosophy of Zionism	2 TO 3	Major idea, approaches and texts during the 19th and 20th centuries.
JPHI 1825	Chasidut	2	
JPHI 1843	Contemporary Jewish Philosophy	.5 TO 6	History and development of major currents in contemporary Jewish thought, including Orthodoxy, Reform, Conservatism, Reconstructionism, and neoHasidism.
JPHI 1844	Contemporary Jewish Philosophy	.5 TO 6	History and development of major currents in contemporary Jewish thought, including Orthodoxy, Reform, Conservatism, Reconstructionism, and neoHasidism.
JPHI 1845	Philo. of Rav Soloveitchik	3	Readings in Rabbi J. B. Soloveitchik's writings. The lecture supplies background material and contrast in general and Jewish philosophical reflection.
JPHI 1846	Philo of Rav Soloveitchik	.5 TO 6	Readings in Rabbi J. B. Soloveitchik's writings. The lecture supplies background material and contrast in general and Jewish philosophical reflection.
JPHI 1852	The Philosophy of Maimonides	.5 TO 6	
JPHI 1853	Modern Jewish Problems	.5 TO 6	Basic legal concepts, attitudes, and opinions relative to contemporary society that emerge from the Talmud, Commentaries, and Responsa literature.
JPHI 1854	Modern Jewish Problems	.5 TO 6	Basic legal concepts, attitudes, and opinions relative to contemporary society that emerge from the Talmud, Commentaries, and Responsa literature.
JPHI 1905	Philosophy of Prayer	2	Analysis of the philosophy of prayer and of the Jewish prayer book.
JPHI 1906	Philosophy of Prayer	.5 TO 6	
JPHI 1907	Philosophy of Biblical Laws	2 TO 3	Examination of classical and modern sources for their conception of selected mitzvot relative to the Halakhah, their biblical origins, and their root meanings in Jewish philosophy. For intermediate and advanced students in Jewish studies.
JPHI 1908	Philosophy of Biblical Laws	.5 TO 6	Examination of classical and modern sources for their conception of selected mitzvot relative to the Halakhah, their biblical origins, and their root meanings in Jewish philosophy. For intermediate and advanced students in Jewish studies.
JPHI 1917	Topics in Jewish Philosophy	.5 TO 6	Selected topics including faith and doubt, dogma, free will, Providence, the Holocaust, State of Israel.
JPHI 1918	Topics in Jewish Philosophy	3	Selected topics including faith and doubt, dogma, free will, Providence, the Holocaust, State of Israel.
JPHI 1919	Topics	2 TO 3	
JPHI 1920	Topics:	2 TO 3	
JPHI 1924	Dogma Jewish Thought	1 TO 3	
JPHI 4901	Independent Study	1 TO 6	See Academic Information and Policies section. May be taken three times for credit towards degree.
JPHI 4902	Topics	.5 TO 6	See Academic Information and Policies section.
JPHI 4930	Topics in Jewish Philosophy	2	Analytical study of special topics, issues, and movements in Jewish philosophy.
JPHI 4931	Topics in Jewish Philosophy	2	Analytical study of special topics, issues, and movements in Jewish philosophy.
JPHI 4932	Topics in Jewish Philosophy	2 TO 3	Analytical study of special topics, issues, and movements in Jewish philosophy. Ideas of emunah and application for life.
JPHI 4937	Topics:	2 OR 3	Analytical study of special topics, issues, and movements in Jewish philosophy.
JPHL 1814	Modern Jewish Thought	1 TO 4	
JUDS 1001	Intro to Judaism	2	Basic Jewish concepts; analysis of the fundamental principles of Jewish legal history and thought. By assignment only.
JUDS 1002	Intro to Judaism	2	Basic Jewish concepts; analysis of the fundamental principles of Jewish legal history and thought. MECHINA. By assignment only. Mitzvot Bein Adam L'Chaveiro. E.g Judging Favorably, Anger, Revenge and bearing a grudge, Laws of Lashon Harah.
JUDS 1023	Jewish Legal Values & Concepts	2	
JUDS 1024	Jewish Concepts	2	
JUDS 1161	Biblical Figures	2	
JUDS 1162	Pirkei Orach Chaim	2	
JUDS 1183	Medical Ethics	2	
JUDS 1201	Jewish Liturgy	2	History, order, and structure of the prayer book.
JUDS 1202	Jewish Liturgy	2	History, order, and structure of the prayer book.
JUDS 1203	Jewish Liturgy	2	History, order, and structure of the prayer book.
JUDS 1204	Jewish Liturgy	2	History, order, and structure of the prayer book.
JUDS 1206	Jewish Law : Prayers	2	
JUDS 1209	Amidah	2	
JUDS 1210	Liturgy	2	History, order, and structure of the prayer book.
JUDS 1211	Philosophy of Prayer	2	
JUDS 1215	The Sabbath Service	2	The Sabbath service.

JUDS 1223	Topics	2	
JUDS 1350	Introduction to Jewish Beliefs	2	Nature of sin of Adam and Eve in the Garden of Eden, Kabbalah of kashrut, purpose of Israel, reincarnation, sources on Mashiach and the End of Days, Free Will and the Resurrection of the Dead.
JUDS 1370	Hasidism	2	History and major concepts, with readings from and analysis of classical texts such as the Baal Shem Tov, R. Jacob Joseph of Polonnoye, the Maggid, the Tanya, R. Nahman of Bratzlav, and R. Levi Yitzhak of Berdichev.
JUDS 1371	Hasidism	2	History and major concepts, with readings from and analysis of classical texts such as the Baal Shem Tov, R. Jacob Joseph of Polonnoye, the Maggid, the Tanya, R. Nahman of Bratzlav, and R. Levi Yitzhak of Berdichev.
JUDS 1372	Hasidism	2	History and major concepts, with readings from and analysis of classical texts such as the Baal Shem Tov, R. Jacob Joseph of Polonnoye, the Maggid, the Tanya, R. Nahman of Bratzlav, and R. Levi Yitzhak of Berdichev.
JUDS 1381	Mussar	2	The primacy of ethical conduct and the process of shaping the ethical personality in Judaism, as viewed through the prism of the various personalities and schools of the Mussar movement; primary and secondary sources are used. For advanced students in Jewish studies.
JUDS 1382	Mussar	2	The primacy of ethical conduct and the process of shaping the ethical personality in Judaism, as viewed through the prism of the various personalities and schools of the Mussar movement; primary and secondary sources are used. For advanced students in Jewish studies.
JUDS 1383	Mussar	2	The primacy of ethical conduct and the process of shaping the ethical personality in Judaism, as viewed through the prism of the various personalities and schools of the Mussar movement; primary and secondary sources are used. For advanced students in Jewish studies.
JUDS 1384	Mussar	2	The primacy of ethical conduct and the process of shaping the ethical personality in Judaism, as viewed through the prism of the various personalities and schools of the Mussar movement; primary and secondary sources are used. For advanced students in Jewish studies.
JUDS 1385	Mussar	2	
JUDS 1386	Mussar	2	
JUDS 1400	Intro Laws & Customs	2	Jewish laws, customs, and concepts; their history and development.
JUDS 1401	Basic Jewish Concepts	2	Introduction to sources, texts, terms, and basic concepts of Jewish law.
JUDS 1402	Basic Jewish Concepts	2	Introduction to sources, texts, terms, and basic concepts of Jewish law.
JUDS 1403	Basic Jewish Concepts	2	Introduction to Jewish Life Cycle.
JUDS 1404	Basic Jewish Concepts	2	Introduction to Shabbat.
JUDS 1405	Basic Jewish Concepts III	2	Introduction to Jewish Oral Law-for lower intermediate level students.
JUDS 1406	Basic Jewish Concepts	2	Rosh haShanah, Yom haKippurim, Sukkot-for lower intermediate level students.
JUDS 1407	Basic Jewish Concepts	2	Introduction to Prayer-for lower intermediate level students.
JUDS 1408	Basic Jewish Concepts	2	
JUDS 1410	Women & Jewish Law	2	
JUDS 1411	Women in Jewish Law I	2	
JUDS 1419	Women in Jewish Law	2	
JUDS 1420	Women & Jewish Law	2	
JUDS 1424	Visiting the Sick & Mourning	2	Visiting the sick and mourning.
JUDS 1431	Shabbat/kashrut	2	Kashrut.
JUDS 1433	Kashrut	2	Laws of Kosher; topics may vary.
JUDS 1434	Kashrut	2	
JUDS 1435	Kashrut	2	Laws of Kosher; topics may vary.
JUDS 1436	Kashrut	2	Laws of Kosher; topics may vary.
JUDS 1438	Kashrut	2	Laws of Kosher; topics may vary.
JUDS 1439	Jewish Laws: Family Law I	2	Laws of Marriage, children, birth control, hair covering and more.
JUDS 1440	Jewish Laws: Family Law II	2	Home and family.
JUDS 1441	Topics in Jewish Family Law	2	
JUDS 1443	Jewish Laws & Cust: Family Law	2	Home and family I (Hilkhot Niddah I); Jewish family purity sources. Previously offered as BIBL 2121, 2122, 2123, 2125, 2126.
JUDS 1444	Jewish Laws & Cust: Fam Law II	2	Home and Family II.
JUDS 1445	Women in Jewish Law I	2	Women in Jewish Law.
JUDS 1446	Women in Jewish Law II	2	Women in Jewish Law.
JUDS 1447	Women in Jewish Law	2	Women in Jewish Law.
JUDS 1448	Women in Jewish Law	2	Women in Jewish Law.
JUDS 1449	Laws & Customs:Marriage	2	Marriage issues and laws relating to dating and marriage; divorce.
JUDS 1450	Marriage in Halakhah I	2	Laws and customs.
JUDS 1451	Marriage in Halakhah II	2	Marriage in Halacha II.
JUDS 1452	The Sabbath	2	
JUDS 1453	The Sabbath	2	The Sabbath.
JUDS 1454	The Sabbath	2	The Sabbath.
JUDS 1455	The Sabbath	2	The Sabbath.
JUDS 1456	The Sabbath	2	The Sabbath.
JUDS 1457	The Sabbath	2	The Sabbath.
JUDS 1458	The Sabbath	2	The Sabbath.
JUDS 1459	The Sabbath	2	The Sabbath.
JUDS 1460	The Sabbath	2	The Sabbath.
JUDS 1461	Festivals I	2	
JUDS 1462	Festivals II	2	
JUDS 1463	The Festivals I	2	
JUDS 1464	The Festivals	2	The Laws of the Festivals; topics may vary.

JUDS 1465	The Festivals	2	
JUDS 1466	The Festivals	2	The Laws of the Festivals; topics may vary.
JUDS 1467	The Festivals	2	The Laws of the Festivals; topics may vary.
JUDS 1468	The Festivals	2	The Laws of the Festivals; topics may vary.
JUDS 1472	Sephardic Life Cycle	2	The Sephardic life cycle.
JUDS 1474	Sephardic Festivals I	2	Sephardic Sabbath and Festival minhagim.
JUDS 1475	Sephardic Festivals II	2	Sephardic Sabbath and Festival minhagim.
JUDS 1478	Communal Customs I	2	Explore, trace, analyze, and classify Minhagim (Jewish customs) pertaining to Friday-night prayers and rituals, festivals (Rosh Chodesh, Rosh Hashana, Yom Kippur and other fasts, Sukkot, and Chanuka), life-cycle events (birth through Bar/Bat Mitzvah), and the home (kashrut, health and hygiene). Understand authority of minhag, distinction from Halakha (Jewish law), and impact of both internal and external factors. Customs as a source of and resolution to conflict.
JUDS 1479	Communal Customs II	2	Explore, trace, analyze, and classify Minhagim (Jewish customs) pertaining to Shabbat-day prayers and rituals, festivals (Tu Bishvat, Purim, Pesach, Omer, the "Yoms", and Tisha B'Av), life-cycle events (weddings through end-of-life), and the communal institutions (synagogue, mikvah). Understand authority of minhag, distinction from Halakha (Jewish law), and impact of both internal and external factors. Customs as a source of and resolution to conflict.
JUDS 1480	Contemporary Issues in Jew.Law	2	
JUDS 1481	Contemp.Issues in Jewish Law	2	
JUDS 1483	Jewish Life Cycle	2	The Jewish life cycle: laws and customs of major ritual observances and ceremonies in Jewish life.
JUDS 1484	Jewish Life Cycle	2	The Jewish life cycle: laws and customs of major ritual observances and ceremonies in Jewish life.
JUDS 1485	Daily Life: Home & Synagogue	2	Daily life in the home and synagogue: the laws and customs of Tefillin, Kriat haTorah B'Tzibbur, Berakhot Rishonot, Berakhot Aharonot.
JUDS 1486	Daily Life: Home & Synagogue	2	Daily life in the home and synagogue: the laws and customs of Tefillin, Kriat haTorah B'Tzibbur, Berakhot Rishonot, Berakhot Aharonot.
JUDS 1487	Daily Life	2	Daily life in the home and synagogue, the laws and customs of Tefillin, Kriat haTorah B'Tzibbur, Berakhot Rishonot, Berakhot Aharonot.
JUDS 1488	Daily Life	2	Daily life in the home and synagogue: the laws and customs of Tefillin, Kriat haTorah B Tzibbur, Berakhot Rishonot, Berakhot Aharonot.
JUDS 1489	Interpersonal Relationships	2	Interpersonal relationships (such as ethics, charity, slander, revenge, usury).
JUDS 1490	Interpersonal Relationships	2	Interpersonal relationships (such as ethics, charity, slander, revenge, usury).
JUDS 1491	Interpersonal Relationships	2	Interpersonal relationships (such as ethics, charity, slander, revenge, usury).
JUDS 1492	Interpersonal Relationships	2	Interpersonal relationships (such as ethics, charity, slander, revenge, usury).
JUDS 1493	Ideological Issues	2	Ideological issues.
JUDS 1494	Ideological Issues	2	Ideological issues.
JUDS 1495	Ideological Issues	2	
JUDS 1496	Ideological Issues	2	Ideological issues.
JUDS 1497	The Land of Israel	2	
JUDS 1498	The Land of Israel	2	The Land.
JUDS 1499	Laws And Customs	2	The structure of the Seudah.
JUDS 1501	Topics:	2	
JUDS 1502	Topics in Jewish Ethics	2	Topics in Jewish Ethics will vary each semester. May be repeated for credit if topic is different.
JUDS 1503	Topics:Ethical Issues&dilemmas	2	
JUDS 1506	Topics in Jewish Law	2	
JUDS 1507	Topics: In Jewish Law	2	
JUDS 1508	Topics: In Jewish Law	2	
JUDS 1509	Laws of Kashrut	2	
JUDS 1510	Development of Jewish Law	2	One-semester survey of the material covered in 1511, 1512.
JUDS 1511	Development of Jewish Law	2	The halakhic process and the formulation of halakhic literature: from biblical literature through the Mishnah and Talmud; codification and Responsa; survey of post-Talmudic literature.
JUDS 1512	Development of Jewish Law	2	The halakhic process and the formulation of halakhic literature: from biblical literature through the Mishnah and Talmud; codification and Responsa; survey of post-Talmudic literature.
JUDS 1513	Chronology of Halachah	2	
JUDS 1523	Seminar: Responsa Literature	2	
JUDS 1531	Maimonides Readings	2	Selections from the legal codes and commentaries of Maimonides; analysis of the legal methodology and philosophy of law emerging from his works.
JUDS 1532	Readings in Maimonides	2	Selections from the legal codes and commentaries of Maimonides; analysis of the legal methodology and philosophy of law emerging from his works.
JUDS 1561	Mishnah Brurah	2	Selections from the legal codes and commentaries of Maimonides; analysis of the legal methodology and philosophy of law emerging from his works.
JUDS 1562	Mishnah Berurah	2	Selections from the legal codes and commentaries of Maimonides; analysis of the legal methodology and philosophy of law emerging from his works.
JUDS 1571	The Individual in Society	2	Capital punishment; torture; immigration; privacy; and confidentiality.
JUDS 1572	The Individual in Society	2	Environmental Issues; and testimony by Jews in non-Jewish courts.
JUDS 1573	The Individual in Society	2	War in Jewish law and ethics; the status of non-Jews in Jewish law
JUDS 1574	The Individual in Society	2	Land for peace; mesirah (collaboration with oppressors); and redeeming hostages.
JUDS 1575	The Individual in Society	2	Contemporary social and political problems such as ecology, poverty, welfare, and selfincrimination; emphasis on Jewish legal sources directly applicable to these issues.
JUDS 1577	Modern Jewish Problems	2	Survey covering several areas.

JUDS 1578	Contemporary Halachic Issues	2	Survey covering several areas.
JUDS 1579	Modern Jewish Problems	2	Survey covering several areas.
JUDS 1580	Contemp Halacha	2	Survey covering several areas.
JUDS 1581	Medical Ethics	2	Survey.
JUDS 1582	Medical Ethics	2	Abortion; contraception; artificial insemination; surrogate motherhood; and cloning.
JUDS 1583	Medical Ethics	2	Euthanasia; definition of death; autopsies; and organ donation.
JUDS 1584	Jewish Medical Ethics	2	Legal problems in the State of Israel.
JUDS 1587	Impact of technology	2	Topics may vary each semester.
JUDS 1590	Modern Jewish Personalities	2	
JUDS 1591	Jewish Civil Law	2	The following topics, among others, as treated in Jewish law: Eichmann defense (i.e., obedience to orders as a basis for exoneration from criminal responsibility); double jeopardy and entrapment in the attempt to control criminals; the obligation to prevent injury to other persons, and its limits.
JUDS 1601	Modern Jewish Problems	2	Judaism demands engagement with mitzvot at two levels: performing the act and being personally transformed by the experience. How do these two emphases interact with one another? We will focus on mitzvah observance in general with an emphasis on prayer and the holidays.
JUDS 1602	Modern Jewish Problems	2	The Status of Jerusalem in Christianity, Islam and Judaism. Must I Love Every Jew? The Status of Non-Observant Jews in Jewish Law and Tradition. The Ethics of Truth-Telling in Jewish Law and Tradition. Judaism and General Culture - Meaning and Significance. Commemorating the Holocaust: Yom Hashoah or Tisha B'Av?
JUDS 1603	Women in Jewish Ritual	2	This course explores the evolving roles, participation, and leadership of women in Jewish ritual life. We examine classical sources from the Tanakh, Mishnah, Talmud, Rishonim, and Acharonim, alongside contemporary responsa, scholarship, and practice. Topics include women's participation in synagogue services, Torah reading, prayer leadership, life-cycle ceremonies, mitzvot traditionally associated with women, and developments in ritual innovation. The course will address variations across Jewish movements and communities, considering historical, sociological, and theological perspectives.
JUDS 1604	Modern Jewish Problems	2	The Contemporary Theological Significance of the State of Israel, Reshit Zemihat Geulatenu? Christianity, Islam and Judaism - History, Religion and Contemporary Significance. The Mitzvah of Killing Amalek - Halakhah, Morality and Modern Times. On the Morality of the Patriarchs - Must Biblical Heroes be Perfect?
JUDS 1607	Mod Jewish Problems	2	
JUDS 1811	Chronology of Halacha	2	
JUDS 1812	The Oral Tradition II	2	
JUDS 1815	Pirkei Avot I	2	
JUDS 1820	Mishnah	2	Text with classical and modern commentaries.
JUDS 1821	Mishnah	2	Text with classical and modern commentaries.
JUDS 1822	Mishnah:Nashim	2	Text with classical and modern commentaries.
JUDS 1823	Mishnah Selections	2	Text with classical and modern commentaries.
JUDS 1825	Pirkei Avot II	2	
JUDS 1826	Mishnah	2	Text with classical and modern commentaries.
JUDS 1827	Moral and Ethical Teachings	2	Text with classical and modern commentaries.
JUDS 1828	Moral and Ethical Teaching	2	Text with classical and modern commentaries.
JUDS 1829	Moral and Ethical Teaching	2	Text with classical and modern commentaries.
JUDS 1830	Ethics of the Fathers	2	
JUDS 1839	Intro to Talmud	2	Introduction to Talmudic text and commentaries.
JUDS 1840	Intro to Talmud	2	Introduction to Talmudic text and commentaries.
JUDS 1841	Introduction to Talmud I	2	Introduction to Talmudic text and commentaries.
JUDS 1842	Introduction to Talmud II	2	Introduction to Talmudic text and commentaries.
JUDS 1843	Intermediate Talmud	2	Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology.
JUDS 1844	Intermediate Talmud	2	Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology.
JUDS 1845	Advanced Talmud	.5 TO 8	Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology; beit midrash method of small-group study supplements lectures.
JUDS 1846	Advanced Talmud	.5 TO 8	Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology; beit midrash method of small-group study supplements lectures.
JUDS 1847	Advanced Talmud	3 TO 5	Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology; beit midrash method of small-group study supplements lectures.
JUDS 1848	Advanced Talmud	3	Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology; beit midrash method of small-group study supplements lectures.
JUDS 1849	Selected Rabbinic Literature	2 TO 3	
JUDS 1850	Selected Rabbinic Literature	1 TO 6	
JUDS 1851	Selected Rabbinic Literature	2	Selections from fundamental rabbinic texts of the medieval and early modern periods.
JUDS 1852	Selected Rabbinic Literature	.5 TO 6	Selections from fundamental rabbinic texts of the medieval and early modern periods.
JUDS 1853	Selected Rabbinic Literature	.5 TO 6	Selections from fundamental rabbinic texts of the medieval and early modern periods.
JUDS 1854	Rabbinic Literature	2 TO 3	Selections from fundamental rabbinic texts of the medieval and early modern periods.
JUDS 1855	Selected Rabbinic Literature	2 TO 3	Selections from fundamental rabbinic texts of the medieval and early modern periods.
JUDS 1861	Modern Jewish Personalities	1 TO 3	Leading rabbinic figures during the 19th and 20th centuries.
JUDS 1862	Modern Jewish Personalities	.5 TO 6	Leading rabbinic figures during the 19th and 20th centuries.
JUDS 1871	Selections from Midrash	.5 TO 6	Readings from aggadic literature.
JUDS 1872	Selections from Midrash	.5 TO 6	Readings from aggadic literature.
JUDS 1873	Selected Texts: Ein Yaakov	.5 TO 6	Readings from aggadic literature.
JUDS 1874	Midrash & Scripture:King David	.5 TO 6	Readings from aggadic literature.

JUDS 1875	From Destruction to Redemption	.5 TO 6	
JUDS 1876	Pirkei D'Rebbe Eliezer	.5 TO 6	
JUDS 1877	Analysis: Aggadic Literature	.5 TO 6	
JUDS 1878	Weekly Reading in Aggad L	.5 TO 6	
JUDS 1879	The Weekly Read in Aggad. Lit	.5 TO 6	
JUDS 1890	Topics	2 TO 3	Topics and level may vary.
JUDS 1891	Talmud: Brachot	3	
JUDS 1892	Talmud:Brachot	1 TO 6	
JUDS 1924	Artistic expression	.5 TO 6	
JUDS 1925	Artistic Expression	.5 TO 6	
JUDS 2611	Values-Based Leadership	2	This course will present some foundational Jewish texts from Tanakh and selected writings in the arena of leadership literature to help students develop a broad understanding of Jewish leadership and to integrate ancient wisdom into contemporary living at home and in the office. Students will follow a trajectory through the semester from personal leadership to interpersonal leadership to organizational leadership and will have occasional conversations with guests, watch leadership videos, and apply the concepts we are learning practically in our discussion of case studies.
JUDS 2640	Practical Workplace Halacha	2	This course will deal with issues like: business meetings in non-kosher restaurants; shaking hands with the opposite gender; social gatherings and holiday parties; personal use of office supplies; yichud; setting aside time to learn; minchah during the workday, etc. Jewish Studies requirement for Sy Syms students.
JUDS 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.
JUDS 4901	Independent Study	2 TO 5	See Academic Information and Policies section. May be taken three times for credit towards degree.
JUDS 4902	Topics	.5 TO 6	See Academic Information and Policies section.
JUDS 4903	Topics	.5 TO 6	
JUDS 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Judaic Studies Honors Project Research.
JUDS 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Judaic Studies Honors Project Research.
JUDS 4930	Topics in Judaic Studies	2	
JUDS 4931	Topics:Laws-Selected Holidays	2	
JUDS 4932	Topics	2	
JUDS 4933	Topics	2	
JUDS 4934	Topics	2	
JUDS 4935	Topics: Dvlpmnt of Halacha	2	
JUDS 4936	Topics	2	
JUDS 4937	Topics	2	
JUDS 4938	Topics	1 TO 2	
JUDS 4939	Advanced Topics	2 TO 4	
MANA 1020	IP: Principles of Management	3	
MATH 1010	Excursions in Mathematics	3	This course is intended for non-science majors and Education majors. Several topics will be taught in depth from the following list: Sets of numbers, geometry, elements of probability and statistics, consumer mathematics, linear programming. Quantitative Skills for non-science and EDUC majors only.
MATH 1160	Elementary Functions: Pre-Calc	3	Number systems, functions, equations, and inequalities; algebra of polynomials, exponentials, and logarithms; analytic geometry of lines and circles; vectors, trigonometry, and complex numbers. Quantitative Skills for non-science majors and/or as preparation for Calculus. Prerequisite(s): Two years of high school mathematics and Math Placement Test.
MATH 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. Quantitative Skills. Recommended for Biology majors and students pursuing Pre-Health fields who do not plan to continue in Computer Science, Economics, Engineering, Math or Physics. Includes recitation. Prerequisite(s): Two years of high school mathematics and Math Placement Test.
MATH 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. Quantitative Skills. Recommended for Biology majors and students pursuing Pre-Health fields who plan to continue in Computer Science, Economics, Engineering, Math or Physics. Includes Recitation.
MATH 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): MATH 1412.
MATH 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.). Prerequisite(s): three years of high school mathematics.

MATH 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 minima with constraints; multiple integrals, cylindrical and spherical coordinates; vector calculus. Recitation included. Prerequisite(s): MATH 1413.
MATH 1520	Advanced Calculus I	3	This course covers real numbers, limits, intrinsic properties of continuous functions and differentiability. Prerequisite(s): MATH 1413.
MATH 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): MATH 1520.
MATH 1523	Intro to Analysis	3	Differentiation of functions of several real variables, the Lebesgue integral, infinite-dimensional normed spaces. Prerequisite(s): MATH 1510, MATH 2105.
MATH 1540	Functions of Complex Variable	3	This course covers analytic functions, Cauchy Riemann equations, Cauchy integral formula, residue theory and conformal mappings. Prerequisite(s): MATH 1510.
MATH 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): MATH 1412.
MATH 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.
MATH 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): MATH 1510.
MATH 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.
MATH 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): MATH 2105 or permission of the instructor.
MATH 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. Recitation included. Prerequisite(s): MATH 1413.
MATH 2462	Mathematical Statistics	3	Application of probability theory to the classical parametric models: moment-generating functions, chi-square and t distributions, central limit theorem, sampling distributions, maximum likelihood and interval estimation, confidence intervals, hypothesis testing; nonparametric models; the Bayesian controversy. Examples from natural science and social and behavioral research. Prerequisite(s): MATH 2461.
MATH 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): MATH 1413.
MATH 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): MATH 1510 and MATH 2601.
MATH 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): MATH 1510, MATH 2105 and familiarity with a programming language.
MATH 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.
MATH 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.
MATH 4910	Honors Prog Senior Project I	0	
MATH 4920	Honors Prog Senior Project II	3	
MATH 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): MATH 1510 and MATH 2105.

MGMT 1020	Fund Concept in Management	1 TO 3	This course focuses on the development of the skills and knowledge required for successful managerial performance in today's global environment. With an emphasis on self-assessment and application, this course provides an in-depth examination and practice of the core managerial competencies. Topics covered include problem solving, communication, empowerment and motivation, managing conflict, power and influence, and performance improvement. A major learning objective is to recognize the relationship between integrated functional business operations and competitive success factors as well as monitoring measurements of organizational performance. Effective managers of the 21st century must understand a wide range of technical and social inter-relationships to be successful in the global marketplace. Students will gain analytical and behavioral tools that will equip them to work in complex global work environments.
MUSI 1111	Sense of Music	3	Developing insight into the art of music through guided listening experiences that aim to develop aural perception, historical perspective, an awareness of the formal processes of music, and some critical bases for esthetic discrimination; emphasis on the cultivation of helpful listening habits. No previous training in music is required.
MUSI 1350	Baroque & Classical Music Hist	3	The development of triadic music, tonality, and its forms in the Baroque era and continuing through the classical era. The growth of opera, concerto, fugue, sonata, and symphony; Western music from Monteverdi to Beethoven. Prerequisite(s): MUSI 1111 or permission of the instructor.
MUSI 1351	Romantic & Modern Music Hist	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 Schubert to Babbitt. Prerequisite(s): MUSI 1111.
MUSI 1390	Early Modern Theories	3	A survey of theories of music from Zarlino to Lewin set against the relevant contexts of Western art music history. Topics include contrapuntal theory in Zarlino, musical rhetoric and early harmonic theory in Rameau, Rameau's detractors and supporters, Koch and theory of melody, Weber and harmonic analysis, Marx and musical form, Riemann and harmonic function, Schoenberg vs. Schenker, Babbitt and 12-tone combinatoriality Forte and set theory, and Lewin and transformation theory. Prerequisite(s): MUSI 2111.
MUSI 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): MUSI 2111. Previously offered as MUSI 2111L.
MUSI 2012	Elementary Ear Training II	1	Laboratory course designed to help students master the skills covered in Diatonic Harmony and Counterpoint. 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): MUSI 2011. Previously offered as MUSI 2112L.
MUSI 2105	Music Fundamentals	2	An introduction to music notation and the piano keyboard. Designed to give beginners a basic level of skill in sight reading. Preparatory course for further study in applied music theory, ear-training and harmony.
MUSI 2111	Music Theory I	3	Structural foundations of music and their applications to the reading, sight singing, playing, writing and analysis of melodies, as well as to the writing and playing of simple chordal accompaniments and of four-part chorales; introduction to counterpoint. Some musical experience is desirable. Prerequisite(s): MUSI 2105 or instructor permission. Corequisite(s): MUSI 2011.
MUSI 2112	Music Theory II	3	Structural foundations of music and their applications to the reading, sight singing, playing, writing and analysis of melodies, as well as to the writing and playing of simple chordal accompaniments and of four-part chorales; introduction to counterpoint. Some musical experience is desirable. Prerequisite(s): MUSI 2105.
MUSI 2113	Music Theory III	3	Continuation of Diatonic Harmony and Counterpoint. Principles of chromatic voice leading and chromatic harmony, exploring those topics through model composition and analysis. The second semester also offers an introduction to post-tonal theory and analysis. Prerequisite(s): MUSI 2112.
MUSI 2114	Intermediate Harmony II	3	Continuation of Diatonic Harmony and Counterpoint. Principles of chromatic voice leading and chromatic harmony, exploring those topics through model composition and analysis. The second semester also offers an introduction to post-tonal theory and analysis. Prerequisite(s): MUSI 2112.
MUSI 2120	Introduction to Composition	3	Basic techniques involved in writing music. Issues of musical structure and expression are explored in traditional and contemporary repertory via composition as well as the analysis of selected works. Prerequisite(s): MUSI 2112 or permission of the instructor.
MUSI 2121	Composition II	3	Basic techniques involved in writing music. Issues of musical structure and expression are explored in traditional and contemporary repertory via composition as well as the analysis of selected works. Prerequisite(s): MUSI 2112 or permission of the instructor.
MUSI 3302	Choral Ensemble	1	Introduction to the vocal art and to the craft of ensemble singing through explorations in standard choral repertory. Primary objectives are free vocal production and attainment of a refined ensemble sound. Students will do physical and vocal exercises as well as basic work in musical notation, part-singing skills, and training of the ear for the special requirements of ensemble singing. Course may be repeated for credit
MUSI 3303	Choral Ensemble	1	Introduction to the vocal art and to the craft of ensemble singing through explorations in standard choral repertory. Primary objectives are free vocal production and attainment of a refined ensemble sound. Students will do physical and vocal exercises as well as basic work in musical notation, part-singing skills, and training of the ear for the special requirements of ensemble singing. Course may be repeated for credit.
MUSI 3461	Chamber Ensemble	1	Introduction to the craft and discipline of small ensemble rehearsal and performance. Emphasis placed on basic musicianship skills, including formal and rhythmic analysis, sight reading, and score reading, as well as on tonal beauty, accurate intonation and expressivity. Prerequisite(s): ability to play a musical instrument or sing, ability to read music, and permission of the instructor. This course may be taken as a prerequisite.

MUSI 3462	Chamber Ensemble	1	Introduction to the craft and discipline of small ensemble rehearsal and performance. Emphasis placed on basic musicianship skills, including formal and rhythmic analysis, sight reading, and score reading, as well as on tonal beauty, accurate intonation, and expressivity. Prerequisite(s): Ability to play a musical instrument or sing, ability to read music, and permission of the instructor. Course may be repeated for credit.
MUSI 3465	Chamber Ensemble	1	Introduction to the craft and discipline of small ensemble rehearsal and performance. Emphasis placed on basic musicianship skills, including formal and rhythmic analysis, sight reading, and score reading, as well as on tonal beauty, accurate intonation, and expressivity. Prerequisite(s): Ability to play a musical instrument or sing, ability to read music, and permission of the instructor. Course may be repeated for credit.
MUSI 3466	Chamber Ensemble	1	Introduction to the craft and discipline of small ensemble rehearsal and performance. Emphasis placed on basic musicianship skills, including formal and rhythmic analysis, sight reading, and score reading, as well as on tonal beauty, accurate intonation, and expressivity. Prerequisite(s): Ability to play a musical instrument or sing, ability to read music, and permission of the instructor. Course may be repeated for credit.
MUSI 3467	Jazz Ensemble	1 TO 2	Introduction to the craft and discipline of small ensemble rehearsal and performance. Emphasis placed on basic musicianship skills, including formal and rhythmic analysis, sight reading, and score reading, as well as on tonal beauty, accurate intonation, and expressivity. Prerequisite(s): Ability to play a musical instrument or sing, ability to read music, and permission of the instructor. Course may be repeated for credit.
MUSI 4001	Intro to Music Pedagogy	2	Students in this course will work on their own vocal and instrumental skills, reaching for a new level of freedom and expressivity in performance, while developing a detailed awareness of the process so as to be able to assist their own students in the future. The process involves in-class performance and focus on rehearsal and practice technique, improvisation, analysis, verbal communication skills, critical thinking, and writing. Prerequisite(s): Ability to play an instrument and ability to read music, or permission of instructor.
MUSI 4111	Private Study/Applied Music	1 TO 2	Vocal or instrumental work arranged by the music staff; literature, material, techniques. A maximum of nine (9) credits may be taken in such courses. Fee: minimum \$600 per semester on an individual basis, dependent on extent and nature of services provided. Prerequisite(s): permission of the senior professor. Course may be repeated for credit.
MUSI 4112	Applied Music	1 TO 2	Vocal or instrumental work arranged by the music staff; literature, material, techniques. A maximum of nine (9) credits may be taken in such courses. Fee: minimum \$600 per semester on an individual basis, dependent on extent and nature of services provided. Prerequisite(s): permission of the senior professor. Course may be repeated for credit.
MUSI 4113	Applied Musical Studies	1 TO 2	Vocal or instrumental work arranged by the music staff; literature, material, techniques. A maximum of nine (9) credits may be taken in such courses. Fee: minimum \$600 per semester on an individual basis, dependent on extent and nature of services provided. Prerequisite(s): permission of the senior professor. Course may be repeated for credit.
MUSI 4114	Applied Musical Study	1 TO 2	Vocal or instrumental work arranged by the music staff; literature, material, techniques. A maximum of nine (9) credits may be taken in such courses. Fee: minimum \$600 per semester on an individual basis, dependent on extent and nature of services provided. Prerequisite(s): permission of the senior professor. Course may be repeated for credit.
MUSI 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.
MUSI 4901	Independent Study	1 TO 3	
MUSI 4910	Honors Prog Senior Project I	0	This course fulfills the first semester Music Honors Program requirement. The first semester requirement is at the end of junior year, each honor student designs a project that involves intensive work under the supervision of a faculty mentor. The second semester requirement is during the senior year, each student then completes a senior project, which represents the culmination of their academic career.
MUSI 4920	Honors Prog Senior Project II	3	This course fulfills the second semester Music Honors Program requirement. The first semester requirement is at the end of junior year, each honor student designs a project that involves intensive work under the supervision of a faculty mentor. The second semester requirement is during the senior year, each student then completes a senior project, which represents the culmination of their academic career.
MUSI 4930	Topics in Music	3	Music topics will differ each semester and may include, but are not limited to, History of Opera, Heroines in 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. Prerequisite(s): MUSI 1111.
MUSI 4931	The Arts and Modernism	1	
PHIL 1100	Logic	3	Methods and principles of symbolic logic.
PHIL 1220	Philosophy of Language	3	Theories of meaning, reference, and truth.
PHIL 1320	Theories of the Mind	3	Examination of rival conceptions of mind and self, and of differing explanatory models for human behavior.
PHIL 1360	Theory of Knowledge	3	Fundamental issues concerning the nature of knowledge, justification, and belief.
PHIL 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.
PHIL 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.
PHIL 1600	Ethics	3	The problems of relativism and subjectivism; utilitarian versus deontological approaches to moral concepts; contemporary moral dilemmas.
PHIL 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.
PHIL 2170	Ancient & Medieval Philosophy	3	From the pre-Socratics to Aquinas, with emphasis on Plato, Aristotle, Stoics, Epicureans, Augustine, Boethius and Aquinas.

PHIL 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. Formerly offered as PHIL 3200.
PHIL 2407	Epidemiology	3	Epidemiology is the study of the distribution and determinants of health and disease in different human populations and the application of methods to improve disease outcomes. As such, epidemiology is the basic science of public health. The course is designed to introduce students to the background, basic principles, methods and philosophical dimensions of public health epidemiology. The biological, behavioral, sociocultural, and environmental factors associated with the etiology and distribution of health and disease are analyzed. Philosophical concepts such as evidence and probability, along with moral issues associated with epidemiology, are examined.
PHIL 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). Crosslisted with POLI 2410.
PHIL 2420	Modern Philosophy	3	Continental rationalism and British empiricism, from Descartes to Kant.
PHIL 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.
PHIL 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.
PHIL 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.
PHIL 3100	Theories of Justice	3	Prevailing theories of justice including the social contract tradition, utilitarianism, libertarianism, and socialism.
PHIL 3300	Just and Unjust Wars	3	Examination of the criteria for justly initiating war and the limits that must be observed during the fighting through a close reading of Grotius, Walzer, and the Geneva Conventions.
PHIL 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.
PHIL 3500	Medical Ethics	3	Discussion of the main issues in the field, including experiments on humans by Nazi doctors, allocation of scarce resources in dialysis, paternalism and patient autonomy, brain death, AIDS and the duty to treat, genetic testing, and cloning.Â May count towards Public Health minor.
PHIL 3620	Environmental Ethics	3	This course analyzes the ethical bases for the preservation and conservation of non-human and even non-living things (like the everglades) not just for human benefit, but also for their inherent value. We will use these philosophical tools to help make sense of global warming, pollution, animal rights etc.
PHIL 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Philosophy Honors Project Research.
PHIL 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Philosophy Honors Project Research.
PHIL 4930	Special 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.
PHIL 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.
PHYS 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): PHYS 1031T and PHYS 1033.
PHYS 1031T	Introductory Physics I Rec	0	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. Laboratory experiments are designed to help students master the principles covered in lecture. (lecture: 3 hours; recitation: 1 hour; lab: 2 hours). Laboratory fee. Corequisite(s): PHYS 1031.
PHYS 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): PHYS 1031. Corequisite(s): PHYS 1034 and PHYS 1032T.
PHYS 1032T	Intro to Physics II-Recitation	0	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. Laboratory experiments are designed to help students master the principles covered in lecture. (lecture: 3 hours; recitation: 1 hour; lab: 2 hours). Laboratory fee.

PHYS 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): PHYS 1031 and PHYS 1031T.
PHYS 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): PHYS 1032.
PHYS 1051	General Physics I Lecture	3	Two-semester, calculus-based course 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. Prerequisite(s): MATH 1412 may be taken as a prerequisite or corequisite; or more advanced or instructor's permission. Corequisite(s): PHYS 1051T and PHYS 1053.
PHYS 1051T	General Physics I Recitation	0	Two-semester, calculus-based course 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. Lecture 3 hours; recitation 1 hour; lab 2 hours 45 minutes. Laboratory fee. Prerequisite(s): MATH 1412 or more advanced or instructor's permission. Corequisite(s): PHYS 1051.
PHYS 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): PHYS 1051. Corequisite(s): PHYS 1054 and PHYS 1052T.
PHYS 1052T	General Physics II Recitation	0	Two-semester, calculus-based course 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. Lecture 3 hours; recitation 1 hour; lab 2 hours 45 minutes. Laboratory fee. Prerequisite(s): MATH 1412 or more advanced or instructor's permission. Corequisite(s): PHYS 1052.
PHYS 1053	General Physics I Lab	1	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. Corequisite(s): PHYS 1051 and PHYS 1051T.
PHYS 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): PHYS 1052.
PHYS 1071	Solid Object Design	3	Practical and hands on experience in design and manufacturing, characterization and optimization of physical systems, with emphasis on the standard mechanisms used by mechanical engineers.
PHYS 1072	Electronic Devices	3	Electronic Devices delivers critical knowledge on the fundamental components and on the working principles of our modern technology via a hands-on experience in design and testing of electronic circuits.
PHYS 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): PHYS 1051 and MATH 1510.
PHYS 1340	Comptnl Mths in Science Rsrch	3	Use of computers to solve real problems in biology, physical sciences and economics. Numerical methods and data analysis, and how to visualize results with plots and movies. Prerequisite(s): MATH 1413. Recommended PHYS 1031C, PHYS 1032C or PHYS 1051C, PHYS 1052C.
PHYS 1721	Oscillations and Waves	3	Oscillations can occur in the motion of particles, solid objects, full mechanisms, but also in the strength of fields such as pressure and electromagnetic fields. Their various manifestations have been adopted in many technological applications such as high precision time keeping, sensing devices and signal generators. The first part of the course investigates oscillatory phenomena in several contexts that are relevant to today's technology. Waves refer to propagations of oscillatory dynamics in a medium or field. Wave phenomena are the backbones of all our communication technologies and virtually every electronic device requires the science of waves. The second part of the course investigates the propagation of an oscillation produced by a localized source in an extended medium or field. Then the course will cover the principles of wave propagation and the wave equations which govern the wave science. Phenomena such as interference, diffraction, wave channeling and wave focusing will be also covered. At the end of the course, a student will understand how to source specific waves for a variety of applications, how to analyze the wave propagation in specific conditions and how to detect traveling waves. The student will also be equipped with knowledge on how to apply various techniques to manipulate and control wave phenomena. Prerequisite(s): PHYS 1052.
PHYS 2051	General Physics III	4	This course examines wave phenomena with an emphasis on light and offers an introduction to thermal physics. Topics covered include mechanical waves, sound, light as an electromagnetic wave, geometrical optics, interference, diffraction, temperature, heat and the laws of thermodynamics. Prerequisite(s): PHYS 1052C, MATH 1413. Corequisite(s): MATH 1510.

PHYS 2052	General Physics IV	3	This course introduces the main ideas of modern physics as they were historically developed during the great revolution that took place in Physics between 1880 and 1930, which shaped our current ideas in relativity, quantum mechanics and statistical physics. It presents in a historical context how those ideas were generated, which were the great experiments that led to their development, and the theoretical underpinnings on which they rest. Prerequisite(s): PHYS 2051.
PHYS 4221	Classical Mechanics	3	Newtonian mechanics; oscillations: simple, damped and driven; resonance; elements of nonlinearity; non-inertial frames of reference; motion relative to the Earth; conservative forces and potential energy; central forces; planetary motion. Prerequisite(s): PHYS 1051. Previously offered as PHYS 1221.
PHYS 4321	Electromagnetic Theory	3	Vector calculus, Maxwell's equations in integral and differential form; electrostatics, Poisson's equation; magnetostatics; time-varying fields. Prerequisite(s): PHYS 1052, MATH 1510. Previously offered as PHYS 1321.
PHYS 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. Planck's Law. Prerequisite(s): MATH 1510 may be taken as a prerequisite or corequisite. Previously offered as PHYS 1510.
PHYS 4621	Quantum Mechanics	3	Wave--particle duality. Uncertainty principle. Formalism: Hilbert Space, Observables, Hermitian Operators. Solutions to Schrodinger's Equation in One Dimension: Transmission and Reflection at a Barrier; Tunneling; Potential Wells; Harmonic Oscillator; Free Particle. Schrodinger's Equation in Three Dimensions: Hydrogen Atom. Angular Momentum and Spin. Perturbation Theory. Introduction to Quantum Information. Prerequisite(s): PHYS 1221, MATH 2105 or permission of instructor. Previously offered as PHYS 1621.
PHYS 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.
PHYS 4810	Advanced Physics Laboratory	3	Nonlinear oscillations, diffraction of waves, interferometry, measurement of electron charge/mass ratio, RC filters, propagation of electromagnetic waves. (lecture: 1 hour; lab: 3 hours). Prerequisite(s): PHYS 1052. Previously offered as PHYS 1810.
PHYS 4901	Independent Study	1 TO 2	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. See Academic Information and Policies section. May be taken three times for credit towards degree.
PHYS 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Physics Honors Project Research.
PHYS 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Physics Honors Project Research.
PHYS 4930	Topics in Physics	1 TO 3	This courses will discuss topics in physics. Topics may change each semester. May be repeated for credit.
POLI 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.
POLI 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.
POLI 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.
POLI 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.
POLI 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. Toward all subfields except Political Theory.
POLI 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.
POLI 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.
POLI 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.
POLI 2135	Voting and Elections	3	Methods by which American elections are conducted; means of voter mobilization; explaining levels of voter participation.

POLI 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.
POLI 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. Crosslisted with SOCI 2802.
POLI 2165	Women and Politics	3	From voting rights to reproductive freedom, the American state has fundamentally shaped the social, economic, and political possibilities for women. Consequently, since the founding of the American republic to the present, women have contested the boundaries of their exclusion, pushed for greater equality, and argued for full citizenship rights. This course begins with a consideration of the political significance of gender in American politics. After a brief review of the American policymaking process, the more specific dynamics of gendered policies will be addressed with attention paid to political argument, mobilization, and institutions. The latter portion of the course surveys a range of topics such as education, employment discrimination, domestic violence, welfare, and abortion rights. The course concludes with an analysis of contemporary currents regarding gender politics and policy.
POLI 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.
POLI 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.
POLI 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. Previously POLI 1105.
POLI 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.
POLI 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.
POLI 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.
POLI 2220	Middle East Politics	3	Major issues confronting the Middle East; religion and politics; challenges to economic development and democratization.
POLI 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.
POLI 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.
POLI 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 POLI 1305.
POLI 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.
POLI 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.
POLI 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.
POLI 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.

POLI 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). Crosslisted with PHIL 2410.
POLI 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.
POLI 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 Perspectives 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.
POLI 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.
POLI 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): POLI 1301.
POLI 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?
POLI 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, POLI 1101H, POLI 1201, POLI 1201H, POLI 1301, POLI 1301H, POLI 1401, POLI 1401H, POLI 1501 or POLI 1501H.
POLI 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.
POLI 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.
POLI 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Political Science Honors Project Research.
POLI 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Political Science Honors Project Research.
PSA 1001	Frontiers: Psychology	1	
PSYC 1010	Introduction to Psychology	3	One semester survey of topics in experimental methodology, biological basis of behavior, sensation, perception, learning, cognition, development, personality, assessment, and abnormal and social psychology. This course is a prerequisite for all upper level psychology courses.
PSYC 1100	Theories of Human Development	3	Course will include the study of grand theories, e.g. Psychoanalytic, Social-Learning, Cognitive Developmental, Biological/Epigenetic, as well as area-specific theories like Attachment Theory, theories of Moral Development, and theories of Language Development. Attention will be given to the notion of theory, specifically of developmental theory, to theory in guiding research and to the synergetic relation between data and theory. Prerequisite(s): PSYC 1010.
PSYC 1107	Developmental Psyc: Life Span	3	Introduces the student to the theory, empirical research, and applied issues of developmental psychology from conception to old age. Focus on cognitive, personality, social, and emotional aspects of development as well as on values and moral behavior. Special emphasis is given to stability and change throughout the life span in each of these areas, as well as to the mechanism of development and change. Prerequisite(s): PSYC 1010. Required for students interested in nursing and therapies
PSYC 1110	Cognitive&Social Devl of 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): PSYC 1010 and PSYC 2100.
PSYC 1130	Devlpmt: Adolescents	3	Processes and problems of adolescence and early adulthood; personality development in its relationship to cultural patterns. Prerequisite(s): PSYC 1100 or PSYC 1107; and PSYC 2100.
PSYC 1140	Adult Devlpmt & Aging	3	A multidimensional perspective on the reciprocal influences of biology and behavior, psychosocial influences, and psychological and physical functioning in the aged. Demographics of the aging population, physiological changes, theories of successful aging, social issues, life transitions, mental health and dementia, death and dying. Prerequisite(s): PSYC 1107 or PSYC 2100.
PSYC 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): PSYC 2100.

PSYC 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. Prerequisite(s): PSYC 1010; and STAT 1021 may be taken as a prerequisite or corequisite. Corequisite(s): PSYC 2120. Previously offered as PSYC 2100C.
PSYC 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): PSYC 1010; and STAT 1021 may be taken as a prerequisite or corequisite. Corequisite(s): PSYC 2100.
PSYC 2140	Learning	3	Study of the factors that govern behavior change. Analysis of empirical data and comparison of the behavioral, cognitive, and biological approaches to understanding the process of learning. Discussion of practical applications of learning theory to areas such as therapy, education, and parenting. Prerequisite(s): PSYC 2100. Fulfills Group 2 requirement.
PSYC 2150	Cognitive Psychology	3	Analysis of empirical literature and theories relating to topics of size, distance, motion and form perception, attention, memory, language, and problem solving. Prerequisite(s): PSYC 2100.
PSYC 2153	Mind, Language, Consciousness	3	An exploration of the nature of consciousness that emerges from an in-depth study of fundamental perceptual, attentional, memory, and language functions. Prerequisite(s): PSYC 2100, PSYC 2150 or permission of the instructor.
PSYC 2154	Motivation	3	Physiological, behavioral, psychodynamic, and humanistic approaches to motivated behavior. Focuses on hunger, thirst, reproduction, play, aggression, addiction, and achievement. Prerequisite(s): PSYC 1010.
PSYC 2160	CBT in Practice	3	Introduction to cognitive and behavioral approaches to the treatment of psychopathology, including anxiety and depressive disorders. Topics include clinical assessment, case conceptualization, behavioral techniques, cognitive techniques, and newer treatment approaches such as dialectical behavior therapy (DBT) and acceptance and commitment therapy (ACT). Prerequisite(s): PSYC 2100, PSYC 2120 and PSYC 2414. Fulfills Group I requirement.
PSYC 2414	Abnormal Psychology	3	Study of psychopathology in the context of the integrative model; assessment methods, diagnostic criteria, etiology and treatment are discussed. Prerequisite(s): PSYC 1010.
PSYC 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): PSYC 2100 and PSYC 2414.
PSYC 3105	Social Psychology	3	Dynamic study of social behavior; social learning, interpersonal attraction, aggression, attitudes, conformity, and social influence processes. Prerequisite(s): PSYC 2100. Crosslisted with SOCI 3701.
PSYC 3125	Seminar in Emotions	3	An examination of the theoretical and methodological approaches to the study of emotion. Emphasis will be placed on the physiological, expressive, subjective, and behavioral emotional responses to experience. A laboratory component is integrated into the classroom experience. Prerequisite(s): PSYC 2100C.
PSYC 3128	Seminar	3	This course will review theory and research on moral psychology, with a focus on the underlying mental processes that guide moral evaluation across the lifespan. Prerequisite(s): PSYC 2100C.
PSYC 3130	Dev of Intergroup Cognition	3	Students will gain an in-depth understanding of the issues that are addressed by research in the development of intergroup cognition. This will include a general understanding of the history of how psychologists have studied intergroup cognition in both children and adults, as well as a grasp of the theories of intergroup cognition that are currently debated by researchers. Students will learn the methods that are generally used to study these issues, and will be able to come up with an original research idea that addresses one of the course topics. Prerequisite(s): PSYC 1107, PSYC 2100C.
PSYC 3165	Human Sexuality	3	Overview of human sexuality from psychological, sociological and physiological perspectives. Topics include: historical and cultural influences on sexuality, research methodology, gender-typing and gender roles, attraction, love and relationships, sexual behavior and orientation, sexual behavior across the lifespan, reproduction, sexual dysfunction. Prerequisite(s): PSYC 1100 or 1107; Juniors and seniors only. May count toward Public Health minor.
PSYC 3214	Research Seminar	3	Participation for six hours per week for 12 weeks in an ongoing research project with supervision by an on-site investigator and Stern College faculty member. Focuses on issues related to the conduct of research in institutional settings, including research ethics. Students gain practical experience in reviewing the literature, data collection and management, and scientific writing. Prerequisite(s): PSYC 2100 and permission of the instructor.
PSYC 3400	Educational Psychology	3	Application of principles of learning, motivation and measurement to education. Prerequisite(s): PSYC 1107. (Same as EDUC 1210)
PSYC 3405	Psychology of Play	3	This course will explore the power of play and its impact on social, emotional and cognitive development across the lifespan. Through the review of current research, observations, and participation in play, students will study essential elements of play in life and in learning.
PSYC 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. Prerequisite(s): PSYC 2100C, PSYC 3800, and either PSYC 1301 or PSYC 2414 or PSYC 2430.
PSYC 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): PSYC 1010; and STAT 1021 may be taken as a prerequisite or corequisite.

PSYC 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): PSYC 1010.
PSYC 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): PSYC 1010, either PSYC 2100 or SOCI 1504 or a science course with a lab and Junior status. May count toward Women's Studies minor.
PSYC 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): PSYC 1010.
PSYC 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): PSYC 2100; May count towards BIOL major but not minor. May count toward Group II.
PSYC 3810	Behavioral Neuroendocrinology	3	This course will examine the hormonal effects on the brain and behavior. We will discuss the role of hormones in sex differences, parental behavior, learning and memory, and affective disorders. Both human and animal models will be considered. Prerequisite(s): PSYC 3804, BIOL 3728 or BIOL 3830. Counts toward Neuroscience track for BIO or PSYC majors.
PSYC 3815	Cognitive Neuroscience	3	Cognitive Neuroscience is an investigation into the neurobiological underpinnings of cognitive functioning. The course will focus on neural pathways, clinical studies and contemporary research in the cognitive domains of object perception and form recognition, memory, attention, and language. Some classes will be devoted to lab activities including reading an MRI, dissecting a brain, and using behavioral measures to investigate brain functioning. Prerequisite(s): PSYC 2150.
PSYC 3830	Positive Psychology	3	The relatively new field of Positive Psychology studies that which 'goes right in life' and the biological, cognitive, personal, social, and institutional factors that are said to contribute to a healthy life. We will review and critically examine the concepts, research methods, and data of this emerging field. Prerequisite(s): PSYC 3105, PSYC 3800.
PSYC 3842	Contemporary Problems in Psyc	3	Examines issues in modern psychology that confront both laymen and professionals in the modern United States from a point of view that allows students to better understand their causes. Topics are chosen from among homelessness in the urban United States; the effects of early full time day care; substance abuse; domestic violence; child molestation; mental health care versus managed health care. Prerequisite(s): PSYC 2100C, PSYC 2414.
PSYC 3845	Psychology & Religion	3	In this course we examine the assumption that constructs and theories in Psychology and in Religion must be in conflict. We compare and contrast ideas about human nature and human conduct in each of these fields. Using the respective data bases of each of the two fields, we separate popular notions of what each approach is purported to hold, from what each field actually does hold. We search for a constructive relationship between Psychology and Religion. Prerequisite(s): PSYC 2100C or a research methods course or senior status.
PSYC 4741	Psychology 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.
PSYC 4901	Independent Study	1 TO 3	See Academic Information and Policies section.
PSYC 4910	Honors Prog Senior Project I	0 TO 1	This course fulfills the first semester requirements for Psychology Honors Project Research.
PSYC 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Psychology Honors Project Research.
PSYC 4930	Topics in Psychology	3	Selected topics and issues in Psychology. Topics may vary by semester. Prerequisite(s) will change with topic.
PUB 1060	Biology and Public Health	3	The goal of this course is to educate students on the convergence of Biology and Public Health. Students will engage with diseases whose impact on the individual impacts society and diseases where societal norms and standards influence understanding and progression. We will discuss our current methods for assessing and understanding the burden of disease on our society. Recent experiences with Covid-19 and public health will be used as a springboard to discuss many of the intersections of public health and biology and a segue into other important topics of public health including, but not limited to, vaccines, obesity, diabetes, mental health, AIDS. Understanding biology and public health necessitates the understanding of certain biological concepts as well as the understanding that while 'the science' can inform decisions, public health requires that we also understand the impacted populations, recognizing that different communities may behave differently, and public health needs to adapt to as many people within a given society. Special attention will be paid to the disparity in public health issues and responses in various local and global communities. Science & Technology for non-science majors. Not for Bio major/minor. Previously offered as BIOL 1060 or SCIE 1060.

PUB 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. This course introduces the basic principles of epidemiologic study design, analysis, and interpretation. Course activities will consist of lectures, computer lab lessons in using statistical software, written assignments, exams, and critical appraisal of both classic and contemporary research articles. We will learn how to calculate and interpret some basic epidemiological measures and investigate the possibilities of using data to make causal inferences. We will examine the strengths of epidemiological science as well as its limits. Prerequisite(s): STAT 1021 recommended. Formerly offered as PUB 1236.
PUB 3221	Nutrition	3	Clinical nutrition, directed to common medical disorders, relevant physiology, nutritional implications, and therapy. Nutrition in gastrointestinal disorders, diabetes, cancer, and AIDS are discussed. This course does not count toward the Biology major. Same as BIOL 3221. May count towards Public Health minor.
PUB 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): PSYC 1010, and either PSYC 2100 or SOCI 1504 or a science course with a lab are recommended. May count toward Women's Studies minor.
PUB 4741	Internship	1 TO 3	
PUB 4930	Topics:	1 TO 3	Selected topics and issues in Psychology. Topics may vary by semester.
PUB 4931	Tpc: Biology of Public Health	1 TO 3	
PUB 4932	Topics:	1 TO 3	
PUB 4933	Topics:	1 TO 3	
SCIE 1012	Scientific Literacy	3	This course will teach students the basics of modern scientific inquiry, expose students to news-worthy topics in science that have potential to impact daily life, and give students media literacy skills necessary to educate themselves about science in the future.
SCIE 1060	Biology and Public Health	3	The goal of this course is to educate students on the convergence of Biology and Public Health. Students will engage with diseases whose impact on the individual impacts society and diseases where societal norms and standards influence understanding and progression. We will discuss our current methods for assessing and understanding the burden of disease on our society. Recent experiences with Covid-19 and public health will be used as a springboard to discuss many of the intersections of public health and biology and a segue into other important topics of public health including, but not limited to, vaccines, obesity, diabetes, mental health, AIDS. Understanding biology and public health necessitates the understanding of certain biological concepts as well as the understanding that while 'the science' can inform decisions, public health requires that we also understand the impacted populations, recognizing that different communities may behave differently, and public health needs to adapt to as many people within a given society. Special attention will be paid to the disparity in public health issues and responses in various local and global communities. Counts toward Science & Technology for non-science majors. Not recommended for BIO majors or minors; non-science majors should also see BIOL 1006 and CHEM 1010. Previously offered as BIOL 1060 or PUB 1060.
SEMI 1101	Elementary Arabic I	3	Introduction to the grammar and syntax of classical and modern literary Arabic.
SOCI 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.
SOCI 1215	Sociology of Religion	3	Study of the reciprocal relationship between religion and the rest of society; how people interact and organize themselves within religious settings; research methods and dilemmas raised in the scientific study of religion; religious diversity, change, and stability; the complexities involved in the sociological study of Jewry and the various Eastern and Western religious traditions; how religious rituals, tales, myths, and facts shape, endorse, and validate humanity's responses to the world. Prerequisite(s): SOCI 1001.
SOCI 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.
SOCI 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 adapt to the host culture: membership in associations and organizations, political behavior and lobbies, links with Israel. Relationships between Jews and other societal groups.
SOCI 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.
SOCI 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.
SOCI 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.

SOCI 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. Media Studies elective; May count toward American Studies minor.
SOCI 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 Pre-Nursing major, Nutrition major, and Public Health minor.
SOCI 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. Formerly SOCI 1283.
SOCI 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.
SOCI 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.
SOCI 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.
SOCI 2302	Sociology of Deviance	3	Analysis of different theoretical perspectives in the study of deviance; theories of deviance; social sources of deviance; study of various types of deviant behavior and attributes; reduction of deviance; coping with deviance and the reintegration of the deviant into society. Prerequisite(s): SOCI 1001. Previously offered as SOCI 1116.
SOCI 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.
SOCI 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.
SOCI 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 learning with comparative cases from other countries.
SOCI 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. Previously SOCI 1232.
SOCI 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. May count towards Public Health Minor and Shaped Major Pre-Nursing. Previously offered as SOCI 1233.
SOCI 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.

SOCI 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.
SOCI 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. Formerly SOCI 1236.
SOCI 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. Formerly SOCI 1205.
SOCI 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 SOCI 1204.
SOCI 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. Previously offered as SOCI 1206.
SOCI 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 SOCI 1211.
SOCI 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 SOCI 1212.
SOCI 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.
SOCI 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. Crosslisted with POLI 2160. Formerly SOCI 1436.
SOCI 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): SOCI 1001. Previously SOCI 1640.
SOCI 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): SOCI 1001. Previously SOCI 1504.
SOCI 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): PSYC 1010 or SOCI 1001 or a science course with a lab and Junior status. May count toward Women's Studies minor.
SOCI 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): SOCI 3003. Crosslisted with PSYC 3105. Previously offered as SOCI 2701.
SOCI 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.
SOCI 4901	Independent Study	1 TO 3	See Academic Information and Policies section. May be taken three times for credit towards degree.
SOCI 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Sociology Honors Project Research.
SOCI 4920	Honors Prog Senior Project II	3	
SOCI 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.

SPAU 3000	Survey of Communication Disor	3	Overview of the scope of speech-language pathology/audiology practice and professions, including pediatric phonological, motor-speech, and language development and disorders; adult neurogenic communication disorders; disorders of voice, fluency, and hearing, and an introduction to counseling. Orientation to research in the field of communications disorders and to writing in APA research style.
SPAU 3001	Development of Language	3	Processes and products of typical language development from infancy to childhood; the development of early communication in the context of cognitive, social, physical, and emotional growth before and after first words, first sentences, and nascent conversations. Cultural and individual differences in language development. Continuation of student experience with research and clinical writing in the field of communications disorders. Relevance of basic research and developmental 'norms' to assessing and treating children with disabilities. Initial clinical experience interacting with a typically developing child, collecting a professional language sample, and analyzing it as a clinician. Prerequisite(s): SPAU 3000 may be taken as a prerequisite or corequisite. Corequisite(s): SPAU 3009 and SPAU 3112.
SPAU 3009	Anatomy&Physiology of Hearing	3	Anatomy and physiology of the speech and hearing mechanisms. Prerequisite(s): SPAU 3000 may be taken as prerequisite or corequisite. Corequisite(s): SPAU 3001 and SPAU 3112.
SPAU 3015	Introduction to Speech Science	3	Acoustical components of speech and their physiological correlates; information-bearing elements in the speech signal and their acoustic/auditory perceptual processing; theories of voice production; speech spectrography and other instrumentation as analysis tools. Prerequisite(s): SPAU 3112.
SPAU 3031	Audiology	3	This course covers screening, assessment, and diagnosis of conditions of hearing and balance, administration and interpretation of behavioral and physiological tests, and hearing technology. Prerequisite(s): SPAU 3009.
SPAU 3112	Phonetics	3	Introduction to speech sound production and classification. Practical application of transcribing speech using the International Phonetic Alphabet (IPA) for accurate speech sound analysis. Prerequisite(s): SPAU 3000 may be taken as a prerequisite or corequisite. Corequisite(s): SPAU 3001, 3009.
SPAU 3201	Language Disorders	3	This course is an overview of the prevention, diagnosis, and treatment of developmental and acquired language disorders across the lifespan as well as swallowing disorders. Prerequisite(s): SPAU 3001 and SPAU 3009. Corequisite(s): SPAU 3205.
SPAU 3205	Speech Disorders	3	This course is an overview of the prevention, diagnosis, and treatment of developmental and acquired speech disorders across the lifespan as well as disorders of fluency. Prerequisite(s): SPAU 3001 and SPAU 3112. Corequisite(s): SPAU 3201.
SPAU 3210	Counseling for Health Care Pro	3	Theories and techniques of counseling and health-related behavior change for pre-health professionals, addressing both informational and affective counseling for a variety of conditions. Prerequisite(s): SPAU 3938.
SPAU 3320	Aural Rehabilitation	3	Types and application of amplification, auditory training, and other communication tools for the individuals with hearing loss; emphasis placed on the pediatric and geriatric populations. Application of modern technology including cochlear implant devices. History of Deaf Education and the differing perspectives between oral approaches and Deaf culture values. Prerequisite(s): SPAU 3031.
SPAU 3938	Clinical Methods	3	Screening, assessment, diagnosis, and treatment of a variety of communication, hearing, and feeding/swallowing disorders. Professional writing and treatment planning for communication disorders professionals. Prerequisite(s): SPAU 3201 and SPAU 3205.
SPAU 3999	Prof Issues/Comm.Sci & Disord	3	This course explores professional issues in communication sciences and disorders, including professional expectations and requirements, insurance/reimbursement, evidence-based practice, and culturally-relevant care. Prerequisite(s): SPAU 3938.
SPAU 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.
SPAU 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Speech Pathology and Audiology Honors Project Research.
SPAU 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Speech Pathology and Audiology Honors Project Research.
SPAU 4925	Topics in Speech Path/Aud	3	Selected topics in Speech Pathology and Audiology. Prerequisite(s): SPAU 3201 or SPAU 3205.
SPEE 1010	Speech Communication	3	Effective informal and formal public speaking focusing on the informative and persuasive purposes. Focuses on logical organization; psychological motivation; research of topics; precise vocabulary; clear and pleasant vocal patterns; and application of sound rhetoric to the communication of ideas.
SPEE 2090	Play Production	2	This course is intended to provide a foundation of understanding about a variety of aspects of theatre production; function of theater technicians and management; use of stage through lights, set design, costume design, actors and directors; producing and publicity; role interpretation and acting; theatrical and dramatic analysis of selected plays. Practical experience is met through participation in Dramatics Society Production.
SPEE 2113	Theatre Arts	3	Survey of plays from Shakespeare to the present. Theatrical and dramatic analysis of selected plays. Study and development of the power and skills of interpretation necessary for the artisan, be it actor, director, designer, writer, or producer, to reflect the ideas of the playwright. The class attends several professional productions.
SPEE 2910	Art of the Actor	3	Study and development of the power and skills of interpretation necessary for the actor to reflect the ideas of the playwright in various media-legitimate theater, television, radio, and cinema. Students identify the essential characteristics and solve the problems of acting in these media.
SPEE 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.

SPEE 4901	Independent Study	1 TO 4	See Academic Information and Policies section.
SPEE 4910	Honors Prog Senior Project I	0	This course fulfills the first semester requirements for Speech Honors Project Research.
SPEE 4920	Honors Prog Senior Project II	3	This course fulfills the second semester requirements for Speech Honors Project Research.
STAT 1021	Intro to Statistics	3	Sources of data; descriptive statistics: data display, univariate measures of location and variability; basic probability, normal curve and its applications; correlation and regression. Sampling distributions. Inferential procedures in one- and two-sample problems: estimation, hypothesis testing. Chisquare. See MATH 2461 for Probability Theory and MATH 2462 for Mathematical Statistics.
TALS 5030	Masekhet Sanhedrin I	1 TO 6	This course in Advanced Talmud will focus on the objectives of capital punishment within the Jewish judicial system and the role that the Sanhedrin, the Jewish courts, play in administering such punishments. Students will be challenged to explore the religious and moral underpinnings as well as the license that entitles a human judicial court to terminate the life of another. What are the necessary conditions that entitle a human court to take the life of a member of society, and what is the goal in doing so?
TALS 5031	Masekhet Sanhedrin II	1 TO 6	Students will explore the multifaceted expressions of capital punishment within the Jewish judicial system and the relationship between them. Are the objectives and goals of stoning, burning, killing, and strangulation identical to or distinct from one another? What is the hierarchy between and classification of these various methods, and what does that indicate about the individual violations that result in each of the forms of punishment? Finally, this course will focus on individual violations that are subject to capital punishment and will provide the student with a sharpened understanding of each prohibitions nature and severity which results in their respective punishment.
TALS 5221	Gittin I	1 TO 6	This course in Advanced Talmud will explore the process of divorce in Jewish law. We will initially examine the circumstances that might mandate, permit, or prohibit divorce, as well as evaluate the halakhic standing of Jewish divorce as a potential mitzvah. Particular attention will be paid to the various halakhic features of the divorce document, a get. We will evaluate the role of the get as a vehicle that effectuates divorce in the moment and, alternatively, as proof that attests to the divorce in the long term and the balance between these two potential functions. The debate between R Eliezer and R Meir and whether eidei mesirah karti or eidei chatimah karti will be analyzed at great length with its attendant halakhic ramifications - including the need for signatures on the document, presence of witnesses at the time of divorce, lishmah, ketav sheyakhol lihizdayef, mechubar, etc. The role of lishmah, in particular, and its personalization of the get document will be explored and whether its nature is similar to or different from the role that lishmah plays in other halakhic contexts.
TALS 5222	Gittin II	1 TO 6	This course in Advanced Talmud will explore the gets status as a sefer, a formal document, as opposed to an informal written narrative will be analyzed along with its implications for how the get is composed and the materials used. The relationship between the writing of the get and the deliverance of the get will be investigated and the determination of which constitutes the primary stage in the process.
TALS 5224	Kiddushin I	1 TO 6	This course in Advanced Talmud will explore the nature of the institution of kiddushin that was introduced post-mattan Torah. We will examine the contribution of kiddushin as a preliminary stage to Jewish marriage, and investigate the various methods of achieving the desired goal.
TALS 5225	Ketuvot I	1 TO 6	This course in Advanced Talmud will focus on key topics in the fourth and fifth chapters of Masekhet Ketubot related to the ketubah, the Jewish marriage contract, and its primary and secondary obligations. We will explore the relationship between the base sum of money, ikkar ketubah, contained in the marriage contract and any additional volitional commitment, tosefet ketubah, as well as the ketubah's relationship to its multifaceted derivative obligations known as t'naei ketubah.
TALS 5226	Kiddushin II	1 TO 6	This course in Advanced Talmud will explore the three methods of kiddushin - kesef, shtar, and biah, as well as each methods relationship to the world of kinyanim, legal methods of acquisition, more generally. The conceptual and halakhic similarities and discrepancies will help inform whether the three methods of kiddushin are cut from one cloth or are fundamentally dissimilar to one another. The nature of each method will additionally be compared to other legal mechanisms for acquiring different types of property which will offer a window into halakhas conceptualization of Jewish marriage.
TALS 5227	Ketuvot II	1 TO 6	This course in Advanced Talmud will explore the reciprocal marital obligations between husband and wife both on the Biblical and rabbinic planes as well as the specific correspondence that the rabbis established between particular obligations and privileges of marriage.
TALS 5231	Bava Kama	6	This course will be an intensive, text-based shiur that will focus on the sugyot of geneva and gezeilah that appear in Masekhet Bava Kama. While anchored in the seventh perek, our study will also draw upon relevant material in the ninth and tenth perakim. Topics will include the respective definitions of and relationship between the prohibitions of geneivah and gezeilah, the nature of yei'ush, methods of acquisition for a ganav or gazlan including yei'ush, shinui ma'aseh, shinui ha'sheim, and shinui reshut, and an analysis of the additional kenasot of keifel and daled.
TALS 5234	Bava Metziah I	1 TO 6	This course in Advanced Talmud will explore cases of monetary conflict which lack definitive evidence and proof needed to resolve the case. In these instances, what factors does beit din utilize to guide their resolution, especially given the lingering uncertainty? Special attention will be paid to the relative weight ascribed to physical possession as compared with strength of claim.
TALS 5235	Bava Metziah II	1 TO 6	This course in Advanced Talmud will explore the comparative approaches assigned to different types of possessions. A broader analysis of beit dins approach toward uncertain monetary conflicts will seek to clarify beit din's primary goals in adjudicating the case - achieving a veritable resolution that is truthful to what occurred, resolving the case in the most equitable fashion for all involved parties in the dispute, or a pragmatism that is primarily motivated in moving forward from conflict. Resolution methods such as kol di'alim gevar, yachloku, shuda di'dayyni, and yehei munach will be weighed against one another, as well as the myriad factors that might influence the preference of one over the other.

TALS 5237	Bava Batra I	6	This course in Advanced Talmud will explore the rights of a squatter who makes ownership claims to property over which another individual possesses status quo title ownership. The role of three years will be carefully examined in potentially allowing the squatter to take possession of the property, as well the interaction between the three ingredients of chezkat gimmel shanim, the claim of the squatter, and the protest or silence of the previous owner.
TALS 5238	Bava Batra II	6	This course in Advanced Talmud will explore the rights of a squatter who makes ownership claims to property over which another individual possesses status quo title ownership. Exceptions to the rule will also be investigated which include situations wherein the chezkat gimmel shanim is expedited and achieved sooner, if not immediately, as well instances in which a chazaka cannot be established despite the squatters presence for three years or longer.
TALS 5241	Hullin I	6	This course will cover the rules of separation of meat and milk, the laws of ritual pertaining to food and foundations of the halachot of mixtures.
TALS 5242	Hullin II	6	This course will cover the last of taarovot (mixtures) and how it pertains to the laws of Kashrut.
TALS 5245	Niddah I	6	This course will discuss the foundations to the laws of Niddah (family purity) and childbirth. It will cover all the rules of how a woman becomes ritually impure.
TALS 5246	Niddah II	6	This course will discuss the process of how woman who is ritually impure becomes tahor (pure). It will also cover the rules pertaining to a bride before and after the wedding.
TALS 5251	Shavuot I	6	This course in Advanced Talmud will explore the institution of Shavuot in cases of monetary conflict absent conclusive evidence. The respective categories of Biblical and rabbinic Shavuot will be defined and compared to one another. Under what circumstances must a shevuah be taken by a litigant on a Torah level, and when did the rabbis institute a shevuah on the rabbinic plane? Particular attention will be paid to the defining halakhic discrepancies between Biblical Shavuot and rabbinic Shavuot. Moreover, the nature and function of a shevuah taken in beit din will be analyzed in light of these respective halakhic parameters.
TALS 5252	Shavuot II	6	This course in Advanced Talmud will focus on the religious and spiritual dimension of swearing in court beyond its legal function. Should the articulation of a shevuah, when required, constitute the fulfillment of a Biblical command, and, if so, does it qualify as one of the six hundred and thirteen Biblical commandments? Careful attention will be paid to the perspectives of Rambam and Ramban in addressing these questions. Finally, the nature of the shevuah of modeh bimiktzat will be investigated through the primary window of Rabbahs famed question of - mipnei mah amrah Torah. What distinguishes cases of modeh bimiktzat from kofer bakol, and what is responsible for the Biblical obligation to swear in the former case and exemption in the latter instance? Three conceptual models for the shevuah of modeh bimiktzat will be developed and potential practical halakhic ramifications between the various understandings will be explored.
TALS 6700	Independent Study - Talmud	1 TO 3	An independent study is an individualized project/course in an area of Talmud or Jewish Law conducted under the guidance and supervision of a faculty advisor with the approval of the Program Director.
TALS 6800	Teaching Experience	1 TO 6	The teaching experience course is an individualized project/course in an area of Talmud or Jewish Law conducted under the guidance and supervision of the Program Director. The students will be teaching or presenting in different forums, including college, high-school and community settings.
TALS 6900	Topics in Talmud	3 OR 6	In each of these topic classes, the students will learn different masekhtot or topics within the Talmud and Jewish Law. They will focus on theoretical and practical Jewish Law as well as skills in reading text of Talmud and its commentators.
WMNS 1020	Intro to Women's Studies	3	This course introduces some of the issues and debates that characterize Women's Studies. Women's Studies itself is an academic discipline that grew out of the 20th century women's movement. It draws on many different disciplines in the humanities and the sciences in its efforts to describe and understand women's lives. (May be taught by faculty in other departments; required for the minor in Women's Studies).

Please note: Any 500 level courses or higher are for Stern graduate programs.