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ACCOUNTING (ACC)

MAJOR: Sy Syms School of Business
CPA TRACK:
ACC 1101, 1102, 2403, 3201, 3601; BLW 2112; TAX 6124, 6125; and any one Sy Syms elective.

NON-CPA TRACK:
ACC 1101, 1102, 2403, 3201, 3601; TAX 6124, and any three Sy Syms electives.

MINOR: For Sy Syms School of Business students
ACC 1101, 1102, and 2403

MINOR: For Stern College Students
ACC 1001, 1002, FIN 1001, ACC 1101, 1102, and any other Sy Syms course.

ACC 1001 Principles of Accounting I 3 Credits
Introduction to financial accounting: the accounting cycle, preparation of financial statements, accounting for cash and temporary investments, receivables, inventories, and long-lived assets.

ACC 1002 Principles of Accounting II 3 Credits
Accounting for current and long-term liabilities, stockholders' equity, statement of cash flows, introduction to management accounting, cost behavior, and break-even analysis.
Prerequisite: ACC1001

ACC 1101 Intermediate Accounting I 3 Credits
Intensive study of the application of generally accepted accounting principles to selected assets: including cash, receivables, inventories, long-lived assets, and intangibles.
Prerequisite: ACC 1002.

ACC 1102 Intermediate Accounting II 3 Credits
Continuation of the study of balance sheet items: current liabilities, long-term liabilities including bonds, pensions, and stockholders' equity; income tax allocation, leases; principles of income determination, and statement of cash flows.
Prerequisite: ACC 1101.

ACC 2403 Management Accounting 3 Credits
Techniques used in decision making for management and financial reporting, product and service costing systems, overhead allocation, standard costs for control and analysis, cost-volume-profit analysis, short-term decision making, and performance evaluation.
Prerequisite: ACC 1002.

ACC 3201 Advanced Accounting 3 Credits
Accounting for business combinations and consolidations, foreign operations, segment reporting, interim reporting, and partnerships.
Prerequisites: ACC 1102, ACC 2403.

ACC 3851 Financial Statement Analysis 3 Credits (Cross-listed with FIN 3851)
Methods of communicating information about financing and operating activities of corporations, and techniques for analyzing and evaluating information.
Prerequisites: ACC 1002, FIN 1001.

ACC 3601 Principles of Auditing 3 Credits
Auditing standards and procedures, auditor's reports, the nature of evidence in the audit, evaluation of internal controls, audit sampling, auditing computerized systems, code of professional conduct.
Prerequisite: ACC 3201.

TAX 6124 Federal Income Taxation 3 Credits (formerly TAX 2501)
Analysis of the basic principles of federal income taxation as they apply to individuals, and other selected entities.
Prerequisite: ACC 1102, and Senior status.

TAX 6125 Advanced Federal Income Taxation 3 Credits (formerly TAX 2502)
Federal income tax law and regulation, with emphasis on corporations, partnerships, trusts, and estates; tools and methods of tax research; review of the practice requirements of the Internal Revenue Service.
Prerequisite: TAX 6124.

ART (ARTS)

MAJOR: Stern College for Women
Students may elect a Shaped Major with emphasis on art history, studio art, applied arts, graphic design or art therapy. See section on Shaped Major.

MINOR: Stern College for Women
Fifteen credits. Art History minors must take all 15 credits in Art history as follows: Either ARTS 1050 plus 4 advanced Art History courses **or** ARTS 1051and 1052 plus 3 advanced Art History courses. Art Studio minors must take ARTS 1050 or 1051 or 1052 plus 12 additional credits in Studio Art.

1050 Introduction to Art 3 credits
A study of selected masterpieces of Western civilization in painting, sculpture, and architecture, from antiquity to the 20th century.

1051; 1052 History of Art 3 credit
Introduction to the history of art and architecture of the West. First semester: ancient

Egypt, Mesopotamia, Greece, Rome; the early medieval world; the Romanesque, Gothic, and early Renaissance periods. Second semester: Renaissance to present, with emphasis on context, meaning, and style in the work of selected artists. ARTS 1052 is not open to students who have taken ARTS 1050.

1170 Art of Ancient Greece and Rome 3 credits
Art of ancient Greece and Rome from the 10th century B.C.E. to the 4th century C.E.
Prerequisite: ARTS 1050 or ARTS 1051.

1200 Medieval Art 3 credits
Survey of European painting, sculpture, architecture, and luxury arts from the 3rd to mid-14th centuries.
Prerequisite: ARTS 1050 or ARTS 1051.

1301 Northern Renaissance Art 3 credits
Northern European painting, sculpture, and graphic arts of the 15th and 16th centuries.
Prerequisite: ARTS 1050 or ARTS 1052.

1302 15th Century Italy 3 credits
Italian painting, sculpture, and architecture of the 15th century.
Prerequisite: ARTS 1050 or ARTS 1052.

1303 16th Century Italy 3 credits
Italian painting, sculpture, and architecture of the 16th century.
Prerequisite: ARTS 1050 or ARTS 1052.

1350 Baroque Art 3 credits
Survey of Baroque painting, sculpture, and architecture of 17th century Europe.
Prerequisite: ARTS 1050 or ARTS 1052.

1352 18th Century Art 3 credits
Survey of Rococo and Neoclassical painting, sculpture, and architecture of 18th century Europe.
Prerequisite: ARTS 1050 or ARTS 1052.

1431 Early 19th Century Art 3 credits
History of art and architecture from late 18th century to the mid-19th century. Emphasis on Neoclassicism and Romanticism.
Prerequisite: ARTS 1050 or ARTS 1052.

1432 Late 19th Century Art 3 credits
History of art and architecture from the middle to the end of the 19th century. Emphasis on Realism, Impressionism, and Post-Impressionism.
Prerequisite: ARTS 1050 or ARTS 1052.

1451 Early 20th Century Art 3 credits
History of art and architecture from 1900 to the 1940s. Emphasis on Modernism and the

historical avant-gardes.
Prerequisite: ARTS 1050 or ARTS 1052.

1471 Contemporary Art 3 credits
History of art from the 1940s to the present, with emphasis on Modernism, Post-Modernism, and the rise of the contemporary art world.
Prerequisite: ARTS 1050 or ARTS 1052.

1540 Asian Art 3 credits
Survey of the painting, sculpture, and architecture of China, Japan, India, and Southeast Asia. Prerequisite: ARTS 1050 or ARTS 1051 or ARTS 1052.

1613 American Art 3 credits
Survey of American painting, sculpture, and architecture from the colonial period until the present.
Prerequisite: ARTS 1050 or ARTS 1052.

1630 American Architecture 3 credits
Introductory course that compares buildings from various eras and cultures and examines their systems. Covers early colonial settlements to postmodern practices, resulting in a basis for an architectural vocabulary and a greater consciousness of the built environment in the United States.
Prerequisite: ARTS 1050 or ARTS 1052.

1637 NYC Architecture and Urban Design 3 credits
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.
Prerequisite: ARTS 1050 or ARTS 1052 and permission of the instructor.

1635 The New York Skyscraper 3 credits
Discover the evolution of the skyscraper from its roots in 19th Century cast iron lofts to the complex amalgams of today. This is an in-depth look at the links between architecture, engineering, planning, zoning, and economics using the towers of Midtown and the Financial District as our classroom.

1645 History of Photography
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.
Prerequisite: ARTS 1050 or 1052

1750 Philosophy and Criticism of Art 3 credits
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.
Prerequisite: ARTS 1050, 1051 or 1052; or Philosophy course

1850 Women in Art 3 credits
This course explores women's diverse roles as creators, muses, and patrons in the history of art. It covers a wide range of historical periods and critical perspectives highlighting the significance of feminist art history in the development of the discipline.
Prerequisite: Arts 1050 or 1051 or 1052.

1924 Jewish Art and Visual Culture 3 credits
Selected topics in the history of Jewish art from antiquity to the present.

1948 Image of Jerusalem 3 credits
This course explores how artists and architects of Judaism, Christianity, and Islam expressed their reverence for Jerusalem and affected its landscape, and how they created symbols of Jerusalem outside the Land of Israel that evoked the Holy City.

1973 through 1977 Topics in Art History 3 credits
May be repeated, as subject matter varies from term to term. Some courses offered abroad.

1985 Seminar in Art History 3 credits
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: required for seniors; open to others with permission.

1990 Senior Thesis 1 credit
Exit paper combining research and original scholarship. The paper normally stems from work done in Seminar in Art History.

2001 The Studio Experience 3 credits
Introduction to several different art media and approaches, for the beginning art student. Drawing, painting, and sculpture projects dealing with various degrees of realism and abstraction. For non-majors only.

2201 Principles of Design 3 credits
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.

2205 Color 3 credits
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.

2210 Architectural Drawing 3 credits
Introduces students to the various roles drawing plays in architecture and design. Students develop technical skills and gain architectural appreciation through observational studies utilizing line, value, composition and rendering techniques. The class will explore how drawing is used in the design process.
Prerequisite: ARTS 2201, 2301 or permission of instructor.

2284 Pastel 3 credits
Exploration of pastel technique, with studies from the still life, live model, and imagination. No prerequisite, but drawing and/or painting experience is helpful.

2286 Watercolor 3 credits
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.

2301 Principles of Drawing 3 credits
Introduction to basic drawing skills via study of the still life. 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.

2303 Intermediate Drawing 3 credits
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: ARTS 2301 or equivalent.

2304 Advanced Drawing 3 credits
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: ARTS 2303 or equivalent.

2305 Portrait Drawing 3 credits
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.

2306 Drawing on New York 3 credits
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: ARTS 2301

2307 Illustration 3 credits
Working in a variety of media from both observation and imagination, students will gain experience communicating ideas and content through the use of illustration. Projects include: Graphic novel, children's book, editorial, comic strip among others.
Prerequisite: ARTS 2301 or equivalent.

2310 Mural Painting 3 credits
Large-scale paintings in acrylic and oil in triptych format. Emphasis on compositional concerns.
Prerequisite: ARTS 2511 or permission of instructor

2511 Beginning Painting 3 credits
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.

2513 Intermediate Painting 3 credits
Introduction of oil painting techniques through hands-on projects. An opportunity for students to develop their visual voice.
Prerequisite: ARTS 2001 or ARTS 2511.

2515 Advanced Painting 3 credits
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: ARTS 2513.

2700 Three-Dimensional Design 3 credits
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.

2701 Sculpture 3 credits
Concepts of modern sculpture explored through specific hands-on projects including: Carving, modeling, casting, and assemblage.

2703 Model Making 3 credits
This course acquaints students with two-dimensional as well as three-dimensional communication tools. Exercises emphasize various kinds of drawings, both free-hand and mechanical. Using drawing as the basis of construction, various model-making techniques and materials will be explored.
Prerequisite: ARTS 2700

2831 Creativity and Innovation 3 credits
Series of open-ended two and three-dimensional projects utilizing new materials and encouraging innovation, experimentation, and creativity.

2901 Printmaking 3 credits
Introduction to a variety of printmaking techniques including: Linocut, lithograph and silkscreen.

2902 Advanced Printmaking 3 credits
Advanced projects in printmaking; exploration of additional media and techniques.
Prerequisite: ARTS 2901.

3009 Introduction to Computer Design 3 credits
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.

3012 Digital Photography 3 credits
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.

3013 Intermediate Design 3 credits
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.
Prerequisites: ARTS 2201, 3009.

3014 Typography 3 credits
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.
Prerequisites: ARTS 2201, 3009.

3016 Advanced Layout Design/Typography 3 credits

3018 Exhibition Design 3 credits
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.

ARTS 2201 and ARTS 3014 recommended.

3020 Introduction to Video 3 credits
Introduction to the fundamental techniques and processes of digital video production. Students take projects from concept to completion while learning basics in digital videography, editing (using Final Cut Pro) and creating an online video portfolio. Projects include: Narrative short, music video and documentary.

3021 Advanced Video 3 credits
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 using Final Cut Pro Studio software.
Prerequisite: ARTS 3020.

3022 Stop-Motion Animation 3 credits
An in-depth study of stop-motion animation and claymation studio methods. An overview of the history of animation will be combined with hands-on projects, story boarding, character development and set/scene design. Students will create their own animations using a variety of stop-motion techniques.

3025 Intermediate Photography 3 credits
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 making (film, studio lighting, post production, fine art printing); hone their analytical skills through lectures, research and gallery visits; as well as learn about the realities of being a professional photographer.
Prerequisite: ARTS 3012

3026 Advanced Photography 3 credits
Extended study of the photographic medium focusing on advanced practices and concepts as well as portfolio development.
Prerequisite: ARTS 3025

3045 Advanced Design 3 credits
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. ARTS 3021 recommended.
Prerequisites: ARTS 3013, 3014

3830 Methods and Media 3 credits
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.

3842 Art Therapy 3 credits
Students will be introduced to the main theoretical approaches of art therapy. They will explore the therapeutic use of art materials and the context in which they are used. The class will consist of readings, lectures, discussions, art experientials and 2 site visits.

3965-3970 Topics in Studio Art 3 credits

4901, 4902 Independent Study
See Academic Information and Policies section.

4932 Art and Experience in Medici Florence 3 credits
Covers the art and history of Florence— the center of the Italian Renaissance in the 15th century—as well as the role of the Jews and their contribution to Italian culture, through visits to Florence museums and monuments.
Prerequisite: ARTS 1050 or ARTS 1052. Recommended: ARTS 1302.

4975 Senior Project 1 credit
Mandatory exit project in which the student creates a culminating portfolio piece in her area of specialization. Required for studio art majors.

AMERICAN STUDIES (AMST)

MINOR: Stern College for Women
18 credits. 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. Eighteen credits: 3 credits in HIST or POLI; and 3 credits in English literature or American Art History. The remaining 12 credits may be chosen from among a list of designated courses in the departments of: art, economics, English, history, Jewish History, music, political science, or sociology.
The six total courses required for the minor must be drawn from three or more departments.
An American Studies Minor Fact Sheet, available in the Academic Advisement Center and on line, lists additional specifics and the acceptable courses in each category. Courses which may count toward the minor are noted in each semester's course schedule.

BIBLE (BIBL)

MAJOR: Stern College for Women
Jewish studies majors may concentrate in Bible. See the description of the Jewish studies major. Bible courses are offered on the beginning, elementary, intermediate, and advanced levels.

1015; 1016 Introduction to the Bible 3 credits
Authorship and canonization; Masoretic text; translations of the Bible; survey of medieval exegesis; modern Biblical studies; bibliographical and methodological guidance. For advanced students.

1081; 1082 Introduction to Exegesis 3 credits
Principles of biblical interpretation; survey of classical exegetes.

1083; 1084; 1085; 1086 Topics in Biblical Exegesis 3 credits
Selected biblical texts, primarily from the Pentateuch, examined in light of classical and modern Jewish commentaries.

1087; 1088; 1089; 1090 Biblical Exegetes I; II; III; IV 3 credits
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.

1096; 1097, 1098 Nahmanides on Pentateuch 3 credits
Analysis of the commentary of Moses Nahmanides (Ramban), his method and terminology, and similarities to—and differences from—other exegetes.

1115-1120 Pentateuch: Weekly Portion 3 credits
The weekly portion of the Pentateuch studied with standard commentaries.

1159; 1160 Women in the Bible 3 credits

1161; 1162 Mystical Exegesis I, II (Ohr haChayim) 3 credits

1171, 1172 Personal Development in the Bible I, II 3 credits

1201; 1202 The Book of Genesis 3 credits
Basic introduction to the Pentateuch. Translation and exposition of the text in accordance with standard commentaries, with introduction to Rashi. For elementary students.

1203; 1204 The Book of Genesis 3 credits
Same content as 1201; 1202 with selections from Rashi. For lower intermediate students.

1205; 1206 The Book of Genesis 3 credits
Same content as 1201; 1202 with selected passages from Rashi and other commentators. For intermediate students.

1207; 1208 The Book of Genesis 3 credits
Same as 1205; 1206; for upper intermediate students.

1209; 1210 The Book of Genesis 3 credits
Intensive study using classical and modern commentaries. For advanced students.

1211; 1212; 1213; 1214 Topics in Genesis 3 credits

1303; 1304 The Book of Exodus 3 credits
Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For lower intermediate students.

1305; 1306 The Book of Exodus 3 credits
Same as 1303; 1304; for intermediate students.

1307; 1308 The Book of Exodus 3 credits
Same as 1303; 1304; for upper intermediate students.
1309; 1310 The Book of Exodus 3 credits
Intensive study using classical and modern commentaries. For advanced students.

1311; 1312; 1313; 1314 Topics in Exodus 3 credits

1405; 1406 The Book of Leviticus 3 credits
For intermediate students.

1407; 1408 The Book of Leviticus 3 credits
Same as 1405; 1406; for upper intermediate students.

1409; 1410 The Book of Leviticus 3 credits
Intensive study using classical and modern commentaries. For advanced students.

1411; 1412 Topics in Leviticus 3 credits

1503, 1504 Book of Numbers 3 credits
Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For lower intermediate students.

1505; 1506 The Book of Numbers 3 credits
Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For intermediate students.

1507; 1508 The Book of Numbers 3 credits
Same as 1505; 1506; for upper intermediate students.

1509; 1510 The Book of Numbers 3 credits
Intensive study using classical and modern commentaries. For advanced students.

1511; 1512 Topics in Numbers 3 credits

1605; 1606 The Book of Deuteronomy 3 credits
Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For intermediate students.

1607; 1608 The Book of Deuteronomy 3 credits
Translation and exposition of the text in accordance with standard commentaries; selected passages from Rashi and other commentators. For upper intermediate students.

1609; 1610 The Book of Deuteronomy 3 credits
Intensive study using classical and modern commentaries. For advanced students.

1611; 1612 Topics in Deuteronomy 3 credits

2049; 2050 The Haftarot 3 credits
Those portions of the Prophets used as synagogue lessons. For advanced students.

2107; 2108 Early Prophets 3 credits
The Books of Joshua, Judges, Samuel, and Kings. Textual study with classical and modern commentaries.

2109; 2110 Early Prophets 3 credits
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.

2114 through 2365 Early Prophet 3 credits
Specific portions of the text, with classical and modern commentaries.

2115, 2116 Joshua 3 credits
For intermediate students.

2117; 2118 Joshua 3 credits
For upper intermediate students.
2119; 2120 Joshua 3 credits
For advanced students.

2121 Judges 3 credits
For intermediate students.

2122; 2123 Judges 3 credits
For upper intermediate students.

2125; 2126 Judges 3 credits
For advanced students.

2148; 2149 Samuel 3 credits
For intermediate students.

2152; 2153 Samuel I 3 credits
For upper intermediate students.

2154; 2155 Samuel II 3 credits
For upper intermediate students.

2156; 2157 Samuel I 3 credits
For advanced students.

2158; 2159 Samuel II 3 credits
For advanced students

2160 Topics in Samuel 3credits

2355; 2356 Kings 3 credits
For intermediate students.

2357; 2358 Kings I 3 credits
For upper intermediate students.

2359; 2360 Kings I 3 credits
For advanced students.

2363 Topics in Kings 3 credits

2500 through 2879 The Later Prophets 3 credits
Texts studied with classical and modern commentaries; literary analysis; emphasis on historical background and religious and social problems considered by the Prophets.

2501; 2502 Later Prophets—Survey 3 credits

2503; 2504 Isaiah 3 credits

2505; 2506 Topics in Isaiah 3 credits

2555; 2556 Jeremiah 3 credits

2605; 2606 Ezekiel 3 credits

2653 Minor Prophets 3 credits

2658 Seven Minor Prophets 3 credits

2805; 2806 Haggai, Zechariah, Malachi 3 credits

3205; 3206 Psalms 3 credits
For lower intermediate students.

3207; 3208 Psalms 3 credits
For upper intermediate students.

3209; 3210 Psalms 3 credits
For advanced students.

3257; 3258 Proverbs 3 credits

3307; 3308 Job 3 credits

3403, 3404 Five Megillot 3 credits
For intermediate students.

3407; 3408 Five Megillot 3 credits
For upper intermediate students.

3409; 3410 Five Megillot 3 credits
For advanced students.

3415; 3416 Song of Songs 3 credits

3450 Ruth 3 credits

3510 Lamentations 3 credits

3659; 3660 Ecclesiastes 3 credits

3707; 3710 Esther 3 credits
Intermediate-Advanced levels.

3711; 3712 Selected Megillot 3 credits

3750 Selected Hagiographa 3 credits
Texts of the Ketuvim studied with classical and modern commentaries; literary analysis; historical backgrounds and themes.

3807 Daniel 3 credits

3857 Ezra-Nehemiah 3 credits

3909 Chronicles 3 credits

4002; 4003 Biblical Narrative 3 credits
Narrative forms in prose and historical books; readings in biblical narratives, especially of the Pentateuch, with accompanying medieval and modern commentaries.

4901, 4902 Independent Study
See Academic Information and Policies section.

4930-4939 Selected Topics in Bible

BIOLOGY (BIOL)

MAJOR: Stern College for Women
The Biology major offers three tracks: the General track; the Molecular and Cellular track; and the Neuroscience track. All three tracks require BIOL 1011C, 1012C (lecture and laboratory); CHEM 1045C, 1046C (lecture and laboratory); two courses chosen from MATH 1412, MATH 1413, STAT 1021, and COMP 1300C. Organic chemistry and physics are strongly recommended.
The additional specific requirements for each track follow:
General Track: 20 BIOL credits: 3207C, 3513C plus two additional 4-credit lecture/laboratory courses. The remaining 4 biology credits may be either a 4-credit lecture/laboratory course, or two 2-credit courses. One 4-credit or one 2-credit course must include Ecology, Invertebrate Zoology or Animal Diversity. Biochemistry may count toward the required biology credits
Molecular and Cellular Track: 24 BIOL credits including four 4-credit lecture/lab courses with the following distribution: 3207C, 3513C, 3521C. One lecture/laboratory or lecture-only course must be chosen from Ecology, Invertebrate Zoology or Animal Diversity (2 or 4 credits). The remaining 8-10 credits may be selected from: 2601, 3230, 3241, 3310, 3730, 3750, and CHEM 1376R-L.
Neuroscience Track: 16 BIOL credits and 19 PSYC credits**:** BIOL 3830R, 3830L, 12 BIOL credits chosen from 3207C, 3513C, 3521C, or 3728C. PSYC 1010, 2100C, 2150, 3804, 3810, and 3815. Some of these Psychology courses may also apply toward the General Education Requirements. See the Departmental Fact Sheet for details.

MINOR: Stern College for Women
BIOL 1011C, 1012C and 10 additional BIOL credits, at least 8 of which must be in advanced lecture/laboratory courses. Biochemistry may count toward the biology minor.

1005C Human Biology 4 credits
A one-semester lecture/laboratory course for non-science majors. Students will study basic anatomy and physiology of major organ systems, and appreciate common clinical applications. Laboratory exercises will reinforce basic concepts, teach microscope skills, and supplement the lecture with exercises in genetics, histology, physiology and biochemistry. (lecture: 3 hours; lab: 2 hours)

1011C, 1012C Principles of Biology 4 credits
For majors. Introductory analysis of the various biological concepts at the molecular, cellular, and organismal levels. First semester: biochemistry of molecules, enzyme kinetics, cellular anatomy and physiology, cellular energetics and metabolism, cellular signaling; second semester: cellular reproduction, genetics, molecular biology, population biology, evolution, and comparative human physiology. Laboratory work, including dissections, complements the lectures. (lecture: 3 hours; lab: 3 hours)

2206C Invertebrate Zoology 4 credits
An evolutionary approach to the study of form and function in invertebrate animals. Laboratory provides a survey of phyla, utilizing living and preserved specimens as selected representative species. Includes dissection and behavioral studies.
(lecture: 2 hours; lab: 4 hours) Laboratory fee.
Prerequisite: BIOL 1012C.

2206R Invertebrate Zoology 2 credits
The lecture-only portion of BIOL 2206C

2601 Human Development 2 credits
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: BIOL 1012C

2730C Human Anatomy 4 credits
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 or corequisite: BIOL 1012C or 1012Y.

3038C Ecology 4 credits
An interdisciplinary approach demonstrating the impact of geological, climatological, and evolutionary processes on the distribution of life on Earth. Emphasis on the concepts of niche and ecosystem, particularly in laboratory sessions employing living species.
(lecture: 2 hours; lab: 4 hours) Laboratory fee.
Prerequisite: BIOL 1012C.

3038R Ecology 2 credits
The lecture-only portion of BIOL 3038C.

3130C Animal Diversity 4 credits
Biodiversity through the lens of the Animal Kingdom. Focus will be placed on what actually accounts for the diversity of animal life. Such topics as genetics, natural selection, biogeography, competition, and the interactions of the human species with other animals will be explored. (lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 1012C.

3130R Animal Diversity 3 credits
The lecture-only portion of BIOL 3130C

3135C Human Histology: Cells to Tissues 4 credits
This course covers the composition of the human body at the subcellular, cellular, tissue, and organ levels with an emphasis on relationships between structure and function. Clinical significance and applications and disease mechanisms are emphasized.
(Lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 1012C.

3207C Cell Biology 4 credits
Basic architecture of cellular organelles and components; dynamics of growth, nutrition, cell cycle, metabolism, and metabolic regulation; specialized cell functions. Laboratory accompanies lectures.
(lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 1012C. Prerequisite or corequisite: CHEM 1046C.

3221 Nutrition 3 credits
Clinical nutrition, directed to common medical disorders, relevant physiology, nutritional implications, and therapy. Nutrition in gastrointestinal disorders, diabetes, cancer, and AIDS are discussed.
Prerequisite: BIOL 1012C. Recommended: CHEM 1045C, 1046C.
Students starting on campus in Fall ’10 may no longer count Nutrition toward the Biology major. For such students the prerequisite is any course in Biology.

3230C Immunology 4 credits
Basic principles, theories, and current problems in immunology. Emphasis on antigens, haptenes, antibodies, antibody specificities, antibody-antigen reactions and immediate and delayed hypersensitivity, as well as on transplant and autoimmune phenomena.
(lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisites: BIOL 1012C.

3230R Immunology—Lecture 3 credits
The lecture portion alone of the above course.

3241 Pharmacology 2 credits
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: BIOL 1012C. Prerequisite or corequisite: CHEM 1046C. Recommended: BIOL 3728.

3310 Human Viruses and Disease 2 credits
Basic principles of virology, including virus structure, cell culture techniques, replication assay methods, and regulation of viral functions. Emphasis is on viruses that impact public health: cold viruses, influenza viruses, oncogenic viruses, and HIV.

Prerequisite: BIOL 1012C. Recommended corequisite: BIOL 3513C or permission of the instructor.

3513C Genetics 4 credits
Course spans Mendelian genetics, chromosomal morphology, cell divisions, linkage, gene mapping, DNA replication, chromosome morphology, gene mutation, chromosomal aberrations, gene regulation, extranuclear genetics, behavioral genetics, epigenetics, and basic principles of biotechnology. Laboratory exercises complement lectures. (lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 1012C.

3521C Molecular Biology 4 credits
A comprehensive study of the gene in prokaryotic and eukaryotic systems. Analysis of the molecular structure of DNA and the chromosome, RNA structure and transcription, RNA processing, translation into proteins, structure and organization of the genes and their regulatory regions, protein-DNA interactions, gene expression mechanisms, Laboratory introduces DNA and protein analysis, and recombinant DNA techniques. (lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 3207C or BIOL 3513C or CHEM 1376.

3728C Human Physiology 4 credits
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: BIOL 1012C.

3730 Reproductive Biology 2 credits
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: BIOL 1012C.

3735 Biology of Women's Health 2 credits
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.
Prerequisite: 1005C or 1012C.

3750 Medical Biochemistry 3 credits
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: BIOL 1012C; Pre- or corequisite: CHEM 1213C.

3801 Endocrinology 2 credits
Structure and function of the hormone-producing endocrine glands. Emphasis on the

nature of hormones structure, mechanisms of action, and physiologic effects. The interaction and integration of the endocrine system with other organ systems is demonstrated. Disease state and clinical case studies reinforce basic principles. Prerequisite: BIOL 1012. Recommended: BIOL 3728.

3830C Neurobiology 4 credits
Nerve cells and their organization into complex nervous systems; major concepts in neurobiology, including impulse conduction, synaptic transmission, sensory processing, motor function, and memory. Lab includes basic experimental methods and approaches in the neurosciences with a focus on the analysis of functional neuroanatomy, molecular markers, and behavior. (lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 1012C

4023C Microbiology 4 credits
Topics include prokaryotic cell structure and function, microbial nutrition, growth and control, microbial metabolism, bacteriophages, and microbial genetics. Laboratory exercises complement lectures. (lecture: 3 hours; lab: 3 hours) Laboratory fee.
Prerequisite: BIOL 1012C. Corequisite: CHEM 1046C.

4901, 4902 Independent Study
See Academic Information and Policies section. Laboratory fee on an individual basis.

4930; 4931 Current Topics in Biology 2 credits
Selected subjects from current developments in a variety of biological disciplines, such as animal behavior, environmental issues, and molecular genetics.
Prerequisites: BIOL 1012C and permission of the instructor.

4933; 4934; 4935; 4936 Topics in Biology 1-2 credits

4947, 4948 Research Internship - Credits depend on number of hours devoted
Research project at an approved laboratory in New York under the joint guidance of the head of the laboratory and a faculty member at Stern College for Women.
Prerequisites: BIOL 1012C and permission of the instructor.

BUSINESS AND MANAGEMENT (BUS)

MAJORS AND MINORS: Sy Syms School of Business
Students majoring or minoring in the Business and Management program select one of the following concentrations: finance, information and decision sciences, management, or marketing. The business core is required for each concentration. Major requirements for Business and Management are found in this publication under each concentration name.

MINOR: For Stern College Students
18 credits: BUS 1001, plus three additional Sy Syms core courses and any two Sy Syms non-core courses.

BUS 1001 Business in a Global Environment 3 Credits
Develops an integrated concept of issues affecting contemporary business environments. The relationship between integrated functional business operations and competitive success factors as well as monitoring measurements of organizational performance are discussed. Effective managers of the 21st century must understand a wide range of technical and social inter-relationships to be successful in the global marketplace. They must be able to integrate these relationships with the expense, performance, and time constraints of his or her area of responsibility. Course can be taken during the first or second semester of study only.

BUSINESS LAW (BLW)

BLW 2021 Ethical & Legal Environment in Business 3 Credits
Substantive law and practical issues as they relate to business; theories of jurisprudence; business ethics and Halakhah as they interface with the law and practical business decisions; the legal process; federal and state court systems; alternative dispute resolution; constitutional law; administrative agencies; criminal law and procedure; torts; products liability; contracts.

BLW 2111 Business Law I 3 Credits
Introduction to the legal process; jurisprudence; federal and state court systems; litigation and alternative dispute resolution; constitutional law; administrative law; criminal law and procedure; torts; contracts; agency formation, operation, and termination; types of business organizations, including sole proprietorship, joint venture, franchise, business trust, cooperative, general partnership, limited partnership, limited liability partnership (LLP), and limited liability company (LLC).

BLW 2112 Business Law II 3 Credits
Corporations, securities regulation; antitrust; insurance; wills, trusts, and estates; personal property and bailment; real property; landlord and tenant; environmental law; intellectual property; sales; warranties; negotiable instruments; secured transactions; creditors rights; bankruptcy.
Prerequisite: BLW 2111.

BLW 2500 Business and Jewish Law 2 Credits

CHEMISTRY (CHEM) and BIOCHEMISTRY (BC)

MAJOR: Stern College for Women
CHEM 1045C, 1046C; 1125; 1213C, 1214C; 1415R, 1416R; 1937 or 2-credit elective approved by department and one additional CHEM course; MATH 1412, 1413; PHYS 1031C, 1032C or 1041C, 1042C.

MINOR: Stern College for Women
CHEM 1045C, 1046C; CHEM 1125C or 1415R; CHEM 1213C, 1214C; and one additional CHEM course.

MAJOR: Stern College for Women
BIOCHEM: CHEM 1045C, 1046C; 1213C, 1214C; 1415R or 1416R; 1376R; 1377L; BIOL 1011C, 1012C; MATH 1412, 1413; PHYS 1031C, 1032C or 1041C, 1042C; two courses selected from BIOL 3207C; 3230C; 3513C; 3521C; CHEM 1386 + 4901. Recommended: Second semester of Physical Chemistry CHEM 1415R or 1416R.

1010C Essentials of General Chemistry 4 credits
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. (lecture: 3 hours; lab: 2 hours) Laboratory fee.

1045C, 1046C General Chemistry 4 credits
Lecture and laboratory 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. Emphasis on quantitative techniques; computer interfacing and spreadsheet applications. Second semester includes semimicro qualitative analysis. (lecture: 3 hours; recitation: 1 hour; lab: 3 hours) Laboratory fee.

1125C Analytical Chemistry 4 credits
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: CHEM 1046C.

1213C, 1214C Organic Chemistry 5 credits
The structure, properties, synthesis, and reactions of the main classes of organic compounds, including compounds of biological importance. Principles of stereo-chemistry, reaction mechanisms, and spectroscopy. Laboratory experiments are designed to illustrate methods of separation, purification, identification, and synthesis of organic compounds. Spectroscopic measurements and molecular modeling are included. (lecture: 3 hours; recitation: 1 hour; lab: 4 hours) Laboratory fee.
Prerequisite: CHEM 1046C.

1376R Biochemistry—Lecture 3 credits
Structure and function of biomolecules; kinetics and mechanism of enzymes; bioenergetics and metabolism; membrane structure and dynamics; signal transduction.
Prerequisite: CHEM 1214C or permission of the instructor.

1377L Biochemistry Lab 2 credits
Laboratory experiments are designed to illustrate methods of purification, separation, and characterization of proteins; acid-base titration of amino acids; biomembranes; enzyme kinetics; molecular modeling, computational chemistry, and bioinformatics of biologically relevant molecules.
Prerequisite: CHEM 1376R.

1386 Medicinal Chemistry 3 credits
Introduction to drug discovery and design. Lead and analog synthesis. Combinatorial chemistry. Administration, distribution, metabolism and elimination of drugs (ADME). Structure-activity and quantitative structure-activity relationship (SAR & QSAR). Receptors and messengers; complexes and chelating agents. Sites and mechanisms of action of selected drugs. Quality control. Clinical trials and drug approval.
Prerequisites: BIOL 1012C, CHEM 1213C

1415R Physical Chemistry— Lecture 3 credits
Thermodynamics, chemical equilibrium, solutions, electrochemistry. Applications to biological and biochemical problems are used to illustrate general principles.
Prerequisites: CHEM 1046C; MATH 1412 (or higher)

1416R Physical Chemistry— Lecture 3 credits
Quantum chemistry; the Schrödinger 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.
Prerequisites: CHEM 1046C; PHYS 1031C or 1041C; MATH 1413

1930; 1931 Current Topics 2 or 3 credits
Selected subjects in chemistry. Discussion of current developments, problems, and literature. Open to seniors and selected juniors majoring in chemistry.
Prerequisite: permission of the instructor.

1937 Seminar in Advanced Chemistry 1 credit
Topics in all fields of chemistry presented by students and guest lecturers. Seminar meeting two hours every two weeks.
Pre- or corequisite: CHEM 1214C or permission of the instructor.

4901, 4902 Independent Study
See Academic Information and Policies section. Laboratory fee on an individual basis.

ECONOMICS (ECON)

MAJOR: Stern College for Women
ECON 1031, 1041, 1101, 1201, 1421; STAT 1021; 15 additional credits in ECON courses. Up to 6 credits in Finance or Accounting courses in the Sy Syms School (or 3 credits plus Math 2901) may count toward the major. Sy Syms courses in other areas such as Marketing or Management do not count toward the major.

NOTE: Students considering graduate study in economics are advised to take MATH 1412, 1413, and at least two 1500-level or higher Mathematics classes. Two 1500-level or higher Mathematics classes will count as three credits toward the Economics elective requirements.

MINOR: Stern College for Women
Eighteen credits. ECON 1031, 1041 plus an additional 12 credits in Economics.

1001 Survey of Economics 3 credits
The American economy; rudiments of supply and demand; role of private markets and government policy as related to big business and competition, Social Security, poverty, education, taxation, unemployment, and inflation; monetary and fiscal policies; the global economy; the development of economic ideas. Students who take ECON 1001 and then decide to major in economics should seek departmental guidance.

1031 Introductory Economics I: Microeconomics 3 credits
Introduction to microeconomic analysis: supply and demand, the behavior of firms and consumers; how markets work; market failures; policy issues such as taxation regulation, and redistribution of income.

1041 Introductory Economics II: Macroeconomics 3 credits
Introduction to macroeconomic analysis: General equilibrium, business cycles, inflation, unemployment; national income accounting; monetary policy and the financial system, fiscal policy and social insurance; theories of international trade; long-term growth. This course fulfills a requirement for both economics majors and Syms students who formerly took ECO 1051.
Prerequisite: ECON 1031

1101 Intermediate Microeconomics 3 credits
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: ECON 1031; Prerequisite or corequisite: MATH 1010 (or higher) or STAT 1021 or STB 1131.

1170 Contemporary Microeconomic Issues 3 credits
Use of economic tools to explore issues of public policy and private decision making. Topics vary by term but may include uncertainty and information in economics, crime,

government regulation of business, education, charity, immigration, contracts, discrimination, medical care, transportation, congestion, geographic location, income distribution.
Prerequisite: ECON 1031.

1177 Game Theory and Behavioral Economics 3 credits
A rigorous introduction to the tools and applications of game theory, including theories of rational choice and Nash Equilibrium. Additional topics include imperfect information and behavioral economics.
Prerequisite: ECON 1031

1201 Intermediate Macroeconomics 3 credits
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: ECON 1041; Prerequisite or corequisite: MATH 1010 (or higher) or STAT 1021 or STB 1131.

1221 Money and Banking 3 credits
Nature of money; organization and functioning of the commercial banking system; description of financial markets and financial institutions; hedging instruments, Federal Reserve System and financial intermediaries; national income determination models; inflation; role of money in international finance.
Prerequisite: ECON 1041.

1301 History of Economic Thought 3 credits
Ancient and medieval economic thought, mercantilists and physiocrats, classical and neoclassical schools, institutional school, Keynesian economics.
Prerequisite: ECON 1031.

1401 U.S. Economic History 3 credits
History of the American economy—major trends, institutional developments, and public policies that address key problems in U.S. economic history. Topics include the Colonial era, the Early National era, the Reunification era, the world wars and Great Depression, and the post World War II era.

1421 Econometrics 3 credits
Application of regression techniques to the problem of testing and forecasting in economics. The two variable regression model is fully developed; analysis is extended to consider the multivariate model, functional form issues, dummy variables, and distribution lag models. Covers problems associated with autocorrelation; system models.
Prerequisites: ECON 1031, STAT 1021.

1501 Public Finance 3 credits
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: ECON 1001 or 1031 or 1041.

1601 Economic Development 3 credits
An introduction to concepts of economic development and growth, using case studies and student presentations.
Prerequisite: ECON 1031

1701 International Economics 3 credits
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: ECON 1001 or 1041.

2005 Economics of the Law 3 credits
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: ECON 1001 or 1031.

2201 Labor Economics 3 credits
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; worker alienation; history of working conditions in the U.S.
Prerequisite: ECON 1001 or ECON 1031.

2531 Health Economics 3 credits
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 healthcare system. Methodology employed by economists to determine the economic losses suffered in cases involving death and disability. Emphasis on the U. S. and its current situation. Comparison with other countries.

2701 Managerial Economics 3 credits
How managers make decisions about strategic variables that affect firms' profits: prices, quantity and quality of final products, technology, spending on research and development, advertising, mergers and acquisitions. Also how these decisions differ under various market structures (e.g. competition, monopoly) and how they can affect these structures.

3006 Economics and Ethical Issues 3 credits
Comparison of the economic efficiency and Jewish law approaches to business ethics, advertising and promotional activities, business pricing policies, labor relations, fair competition, government regulation of the economy, social welfare, speculation.

3501 Economics of the Middle East 3 credits
Economic growth of Israel until the Yom Kippur War; stagnancy and inflation since 1974; new economic policies since 1985; Middle East oil, OPEC, and the economies of Saudi Arabia, Egypt, Jordan, and Syria.
Prerequisite: ECON 1001 or 1041.

4901, 4902 Independent Study
See Academic Information and Policies section.

4930 Topics in Macroeconomics 3 credits

4931 Topics in Microeconomics 3 credits

EDUCATION (EDUC)

MAJOR: Students may choose from two tracks: Elementary (Childhood) Education (grades 1–6) and Early Childhood (birth-grade 2). Each track leads to Initial Teacher Certification in New York State. In addition to meeting specific course and fieldwork requirements for certification, students attend two-hour seminars on the identification and reporting of child abuse and school violence, and must meet minimum proficiency standards on the New York State Teacher Certification Test Battery (TPA, EAS, ASLT, and CST-multi-subject).

During spring semester of the sophomore year, students apply for formal admission to the teacher education programs. Prospective education majors must demonstrate the intellectual, communication, and interpersonal skills necessary for success as a teacher. The following specific requirements are required for admission to either the Early Childhood Education or Elementary Education Program:

1. Successful completion of PSYC 1010 with a minimum grade of C+ and EDUC 2130, Foundations of Early Childhood Education; or EDUC 2300, Introduction to Elementary (Childhood) Education, with a minimum grade of B-.
2. Submission of an essay stating personal aims and aspirations as a teacher.

3. Recommendation of instructor of either Foundations of Early Childhood Education or Introduction to Elementary (Childhood) Education.
4. Successful interview with a member of the education faculty other than the instructors of the courses in #3 above.
5. Successful completion of ENGL 1100, Composition and Rhetoric.

Specific course sequences and permissible electives are to be decided in consultation with an adviser. Students majoring or contemplating majoring in EDUC must meet with an adviser prior to the registration period.

Elementary (Childhood) Education Program: Successful completion of PSYC 1010, PSYC 1100 or 1107, EDUC 2300 and admission to the Education Program are prerequisites for the following courses:
EDUC 1210, 2301, 2302, 2303, 2304, 2305, 2307, 2930, 2940, 4001 or 4003 or 4004 or 4061, EDUC elective, MATH 1010.

Early Childhood Education Program: Successful completion of PSYC 1010, PSYC 1100 or 1107, EDUC 2130 and admission to the Education Program are prerequisites for the following courses:
EDUC 1210, 2133 and 2133L, 2134 and 2134L, 2138 and 2138L, 2303, 2890, 2935, 2945, 4001 or 4003 or 4004 or 4061, EDUC elective, MATH 1010.

MINOR: 18 credits. EDUC2300 or 2807 or 2130; 1210 or 1100 or 1107; 2201; 3 credits of Special Education, 6 credits of Education electives.

1210 Educational Psychology 3 credits
(Same as PSYC 3400.) 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: PSYC 1107

2130 Foundations of Early Childhood Education 2 credits
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.

2130L Fieldwork with Young Children 1 credit
Field experience in an early childhood classroom to accompany Foundations of Early Childhood Education. Observation and active participation one morning (two hours) per

week.
Corequisite: EDUC 2130.

2133 Language and Literacy in Early Childhood Education I 2 credits
An introduction to thinking and learning about the developmental and psychological processes involved in learning language and acquiring literacy skills, from birth through the early childhood years. The influence of genetics, environment, instruction, socialization, current trends and the implications for educators, schooling, parents, and interventions will be considered. Readings, discussions, and assignments are correlated with the complementary fieldwork course EDUC 2133L.
Prerequisite: EDUC 2130. Corequisite: EDUC 2133L.

2133L Language and Literacy in Early Childhood I: Fieldwork 1 credit
Field experience in teaching reading and writing with children in an early childhood classroom to accompany Language and Literacy in Early Childhood Education I. Students observe and actively participate in instruction one morning (two hours) per week. Supervision by classroom teacher and course instructor.
Corequisite: EDUC 2133.

2134 Language and Literacy in Early Childhood II 2 credits
Developmental reading instruction for grades 1 and 2. Focuses on aspects of literacy and links theory with practice. Materials and strategies for teaching work analysis, vocabulary development and comprehension skills, and connecting reading and writing. Formal and informal approaches to assessing children's learning.
Corequisite: EDUC 2134L.

2134L Language and Literacy in Early Childhood II: Fieldwork 1 credit
Experience in teaching reading and writing in grades 1 and 2. Intensive work with individual children and small groups in a public school one morning (two hours) per week. Supervision by classroom teacher and course instructor.
Corequisite: EDUC 2134.

2138 The Integrated Curriculum: Mathematics and Science in Early Childhood Education 2 credits
Examines basic principles underlying the development and planning of the integration of mathematics, science, and technology in the early childhood curriculum. Through discussion, workshops, small group work, and use of manipulatives, students explore number operation, patterns, geometry, and measurement. Observing, classifying, and comparing are used to demonstrate the scientific process.
Prerequisites: EDUC 2130, MATH 3810. Corequisite: EDUC 2138L.

2138L Mathematics and Science in Early Childhood Fieldwork 1 credit
Experience with children in an early childhood classroom to accompany The Integrated Curriculum: Mathematics and Science in Early Childhood Education. Students observe and actively participate in a classroom one morning (two hours) per week. Supervision by classroom teacher and course instructor.
Corequisite: EDUC 2138.

2201 Classroom Instruction and Management 3 credits
An introduction to models and methods of classroom instruction and management for diverse educational settings. Required for Education minors and Jewish education concentrators. EDUC elective for majors.

2300 Introduction to Elementary (Childhood) Education 3 credits
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. Includes 30 hours of classroom observation. Required of all prospective elementary education majors.

2301 Language and Literacy in Elementary (Childhood) Education I 3 credits
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. Students perform 12 hours of fieldwork in classrooms (grades 1–6) incorporating NYS English Language Arts Standards and Balanced Literacy components.
Prerequisite: EDUC 2300 or permission of the instructor.

2302 Language and Literacy in Elementary (Childhood) Education II 3 credits
Continuation of Language and Literacy in Elementary (Childhood) Education I. Study and analysis of the linguistic and educational contexts of literacy. Instructional strategies, components, and classroom environments that facilitate success within the language arts (listening, speaking, reading, and writing) in grades 1–6. The use of fiction and nonfiction trade books and the design of integrated curricula. Teaching literacy to English language learners and special populations for remediation and enrichment. Formal and informal assessments. Internet applications as a resource in literacy instruction. Students perform 12 hours of supervised fieldwork in elementary school settings.

2303 Teaching Social Studies (Grades Pre K–6) 3 credits
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, multicultural education, research, history, economics, civics, geography, and current events with diverse student populations. Technological and arts based learning experiences included. Four to six additional hours of fieldwork in classrooms and cultural institutions.

2304 Mathematics Methods and Curriculum for Elementary Teachers 3 credits
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. Applications to language arts, social studies, science, and the arts.

Four to six additional hours of fieldwork.
Prerequisite: MATH 1010.

2305 Senior Fieldwork and Seminar in Elementary Education (Grades1–6) 3 credits
Supervised one-on-one and small-group instructional contact, three hours per week. Placements include a high-needs school. Weekly discussion seminar addresses issues relating to the field experience, including mathematics and literacy methodology, observation and documentation techniques, classroom management, student diversity, lesson planning and curriculum design, and assessment. Students begin preparing professional portfolios documenting their development as teachers. Substance abuse, child abuse, and school violence prevention workshops included.

2307 Teaching Science in Elementary Schools 3 credits
Basic concepts in contemporary science curricula. Examination of NYS Learning Standards in Science for grades 1-6. Instructional techniques, materials, hands-on activities, technological applications, and curriculum design for diverse student populations. Eight hours of fieldwork in local schools.

2807 Literature of Pedagogy 3 credits
An exploration of classic and contemporary educational texts grounded in the experiences of teachers and teaching. Introduces students to core tenets of educational policy, practice and philosophy. Required for Jewish Education Majors. Elective for Early Childhood & Elementary.

2890 The Arts in Education 3 credits
Required for Early Childhood. Elective for Elementary. 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, and assess arts-based learning. Sessions with Lincoln Center Institute and/or Yeshiva University Museum included.

2930 Senior Seminar in Elementary Education 3 credits
For elementary 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. Development of arts-based units of study in conjunction with the Lincoln Center Institute collaboration. Students create a professional portfolio documenting their development as teachers over the course of the program.
Corequisite: EDUC 2940.

2935 Senior Seminar in Early Childhood Education 3 credits
In-depth reflection and critical analysis of the student-teaching experience, classroom management strategies, student diversity, working with parents and school personnel, trends in educational reform, and sources for professional development, including Internet resources. Skills for career planning. Substance abuse, child abuse, and school

violence prevention workshops are included.
Corequisite: EDUC 2945.

2940 Elementary/Childhood Student Teaching 6 credits
Fulltime student teaching (400+ hours) under the supervision of a certified teacher and a faculty supervisor. Students plan and implement whole class instruction, spending the first half of the semester in a classroom in grades 1–3 and the second half in grades 4–6.
Corequisite: EDUC 2930.

2945 Early Childhood Student Teaching 6 credits
Fulltime, active involvement in two early childhood classrooms (pre-K to K and grades 1–2). Students plan and implement developmentally appropriate lessons. A minimum of 300 clock hours of satisfactory service under the supervision of the classroom teacher and faculty supervisor.
Corequisite: EDUC 2935.

3020 Assessment of Students in the Classroom 3 credits
Pupil assessment: rubrics, goals, procedures, interpretation. Performance assessments, portfolios, formal and informal tests, conferences, and other strategies.

3035 Educational Leadership and Supervision 3 credits
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.

3045 Play: Life and Learning 3 credits
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.

3052 Psychology of Academic Achievement 3 credits
Focuses on factors impacting academic achievement. Processes in learning and instruction, such as strategy use, self-regulatory skills, and cultural differences, are explored to gain an understanding of what is termed “under” and “over” achievement.

4001 Society and Populations with Special Needs 3 credits
This course focuses on the changing role of special-needs populations and their relationship to society. The concept of disability, historical treatment of people with special needs, the growth of the special education movement, and personal/cultural perspectives are covered.

4003 Education of Exceptional Children 3 credits
Introduction to the education of children with special developmental and learning needs; concepts of cognitive modifiability; survey of prevailing and preferred educational practices for children significantly handicapped by physical, sensory, neurological,

intellectual, and affective problems. Workshop on assistive technology; field observation in a self-contained special education facility.
Prerequisite: either PSYC 1010, a minimum of 6 credits in EDUC, or permission of the instructor.

4004 Evaluation for the Exceptional Child 3 credits
Emphasis on the educator's role as observer and evaluator of status and change in school behavior and achievement; concepts of process and product; normative and criterion measures of perceptual, motor, cognitive, and social-affective performance; application to the Individual Education Program required by Public Law 94–142. Field experience in a special-education setting.
Prerequisite: a minimum of 6 credits in EDUC or permission of the instructor.

4025 Problems in Special Education 3 credits
Addresses problems of definition, diagnosis, and questionable therapies in special education. Topics include ADHD, Asperger's syndrome, vision therapy, and reading disabilities. Students learn to recognize these problems and research them.

4061 Special Education Methods: Applied Behavioral Analysis 3 credits
A comprehensive and critical presentation of the theory, research, and methodology of Applied Behavior Analysis, with emphasis on improving learning, attention, and social behavior of children with special needs. Field observation in a special education facility.

4210 Curriculum Analysis and Adaptation 3 credits
An examination of curriculum with particular emphasis on the purpose of curriculum and pedagogy in the 21st century. Issues relate to globalization, media literacy, knowledge generation, multiculturalism, and the habits of mind necessary to prepare students and teachers for the future. Course is appropriate for those interested in both Jewish and general education.

4901, 4902 Independent Study
See Academic Information and Policies section.

4930, 4931 Selected topics in Education 3 credits

4935, 4936 Topics in Special Education 3 credits

ENGLISH (ENGL)

MAJOR: Stern College for Women
English Literature Concentration: 34 credits: ENGL 2000, 1300, 4000 at least two (2) advanced level literature courses, seven (7) additional ENGL courses.
Creative Writing Concentration: 34 credits. ENGL 1800, 2000, 4001, at least one (1) advanced level literature course, three (3) ENGL writing courses, plus five (5) additional ENGL courses.

Media Studies Concentration: 34 credits. ENGL 1500, 2000, 4002; three (3) English literature courses totaling 9 credits; two (2) courses in a Media Emphasis selected from **Journalism:** English 1501, 1502; or **Advertising:** English 1600, 1610; or **Public Relations:** English 1650, 1651 totaling 6 credits; four (4) elective courses in Media Studies totaling12 credits. A 1-credit internship experience is required for media studies majors.
NOTE: ENGL 1100 or 1200H is a prerequisite for all ENGL courses.
Details regarding the distribution of courses for each concentration/track above are available on the Department website and the Department Major Fact Sheet.

MINOR: 18 credits. ENGL 2000 plus five (5) additional ENGL courses chosen from Media Studies, literature and/or Creative Writing.

INTRODUCTORY COURSES

1100 Composition and Rhetoric 3 credits
Introduction to academic argument and the thesis/claim/evidence form of essay writing, including thesis development, writing process and revision, analytical and research methods.

1200H Freshman Honors Seminar 3 credits
Introduction to academic argument and the thesis/claim/evidence form of essay writing, including thesis development, writing process and revision, analytical and research methods. This course is open only to Distinguished Scholars, who substitute it for Composition and Rhetoric. Three hours of lecture plus conferences.

1300 Advanced Exposition 3 credits
Course will build on the basic principles and practices of the academic essay presented in Composition and Rhetoric by introducing students to the variety of forms of academic argument, analysis and exposition. This course is a prerequisite for ENGL 4000.

1400 Technical Writing and Editing 3 credits
This course focuses on how to write and edit different types of technical documents for clarity, consistency, cohesiveness, and correctness.

1500 Media Studies 3 credits
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.

1501 News Writing and Reporting 3 credits
Fundamentals of journalism, featuring news writing skills and reporting techniques

1502 Feature Writing 3 credits
Focuses on the skills and techniques to write articles or stories for newspapers, magazines or news websites.

1503 Columns and Editorials 3 credits
Advanced writing seminar. Focuses on the skills and techniques of writing unsigned editorials and signed columns for newspapers, magazines, and Web-based publications.

1520 Broadcast Journalism 3 credits
Focuses on the skills and techniques to report, produce, and deliver news for radio and/or TV and/or other broadcast media.

1530 New Media: News Reporting 3 credits
Introduction to nontraditional careers in new media with emphasis on developing the skills needed for Internet and television news story development. Students learn how to develop stories from research to writing and how to develop a Web site.

1550 Introduction to Mass Communications 3 credits
Historical development of various media and the impact of mass communications on society; legal and ethical issues involving the media; survey of print and electronic media in regard to style and technique; contemporary trends in the mass media.

1560 The Professional Critic: Reviewing 3 credits
Writing reviews of films, plays, restaurants, etc., for the broadcast and print media

1570 Publishing: Book Editing 3 credits
A practical approach to the editor's role in the publishing process. Students gain experience in evaluating and editing manuscripts.

1600 Advertising Copywriting 3 credits
Writing copy for various kinds of promotional materials.

1610 Advanced Advertising Copywriting 3 credits
Advanced work in writing copy, leading to a Portfolio.

1650 Public Relations 3 credits
Fundamentals and techniques of public relations in both business and nonprofit organizations; practical project evaluation and experience.

1651 Developing Effective Messages 3 credits
Advanced course in forms of publicity writing and oral presentation. Emphasis on effective messages.

1720-28 Topics in Media Studies 3 credits
Topics Vary.

1790-98 Internships 1–3 credits depending on hours devoted
Apprenticeships in media and communications, under supervision, in recognized professional offices: graphic arts; editing; audiovisual media technology; photography; public relations; advertising; newspapers; magazines; radio programming and continuity; network and cable television; book publishing. May not replace a course. 100 hours per credit up to three credits. See Chair for details.

1800 Introduction to Creative Writing 3 credits
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.*

1801 Writing Fiction 3 credits
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.

1802 Writing Creative Nonfiction 3 credits
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.

1803 Writing Children's Literature 3 credits
A creative writing course that introduces students to the writing of children's and young adult literature. Students read examples from short stories and novels, learn about the elements of plot, character development, setting and audience, and write and revise their own stories. Set up as a writing workshop, the course enables students to regularly share their work with teacher and peers.

1804 Writing Poetry 3 credits
Introduction to poetry writing, workshop critique and revision.

1805 Reading and Writing Poetry 3 credits
Through discussion, written analysis and creative writing exercises, this course explores poetry from various perspectives, stressing elements such as imagery, metaphor, voice, and musicality, including both traditional and modern approaches to poetic form.

1811 Writing for Television 3 credits
Students will learn about the craft of television writing through analysis of existing shows and by writing an episode. Discussion and critique workshop.

1812 Screenwriting 3 credits
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.

1815 Writing Women's Lives 3 credits
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.

1920 Topics in Creative Writing 3 credits
Topics vary. May be repeated for credit.

1930 Advanced Creative Writing Tutorial 1-3 credits
Weekly one-to-one meetings for advanced creative writing students with demonstrated ability to work on writing independently. Reading and writing assignments designed around student interests. Genres vary.

1932 One Week Creative Writing Seminar 1 credits
A week long creative-writing seminar with a visiting professor. Genres vary. May be repeated for credit.

2000 Gateway to Reading 3 credits
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. Required for the English Major and Minor.

2001 Culture and Power: From Classical Troy to the Renaissance 3 credits
Follows the theme of the 'transfer of learning,' and hence, of power from classical Greece and Rome to the Middle Ages and the Renaissance. Authors may include Virgil, Chrétien de Troyes, Dante, Shakespeare, Spenser, and Ariosto—all available in translation.

2003 Survey of British Literature I 3 credits
History of British literature and culture focusing on major works from the earliest literature through Donne.

2004 Survey of British Literature II 3 credits
History of British literature and culture focusing on major works from Milton through 1870.

2005 Survey of British Literature III 3 credits
History of British literature and culture from 1879 to the present.

2006 Survey of American Literature I 3 credits
Development of American literature through 1870.

2007 Survey of American Literature II 3 credits
Development of American literature, 1870 to the present.

2008 Masterpieces of Western Literature (formerly called Masterpieces of World Literature I) 3 credits
Survey of literary, historical, and philosophical imagination with emphasis on Greek and Roman literature.

2009 From Tradition to Modernity: How the West Became Secular (formerly called Masterpieces of World Literature II) 3 credits
A survey studying how the four pillars of the truth—Revelations, Scripture, Tradition, and Authority—were replaced by Experimentation, Quantification, Individualism, and Egalitarianism.

2060 Women in Medieval Literature 3 credits
Explores the depiction of women in poetry and prose written by men and women from the 12th through the 15th centuries. Particularly considers literary debates about women's natures, as well as individual examples of saintly and sinful women.

2200 The Enlightenment 3 credits
Intensive study of the application of the recently introduced scientific method (i.e. empiricism and experimentation instead of revelation, scripture, tradition, and authority) to all non-scientific disciplines. Selections from such notables as Locke, Swift, Voltaire, Diderot, Hume, Gibbon, Adam Smith, Montesquieu, Rousseau.

2249 Public Discourse in Eighteenth and Early Nineteenth-Century British Prose 3 credits
Examines the rise of the reading public and of public discourse about particular topics in relation to print journalism, periodicals, and other forms of prose.

2255 The Romantic Vision 3 credits
An examination of characteristic, influential, and significant works by British authors including Wordsworth, Coleridge, Shelley, Byron, Keats, and at least one representative novelist. Focuses on the Romantic period, but includes context of earlier or later literature.

2510 American Literature and Culture 3 credits
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.

2520 Literature and Culture of the Roaring Twenties (then and now) 3 credits
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.

2580 American Jewish Literature 3 credits
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

2590 African American Literature 3 credits
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.

2600-2602 Topics in Historical Approaches to Literature 3 credits
May be repeated since the subject matter varies from term to term.

2642 Narrative Poetry: Life, Death, and other Stories 3 credits
Introduces fundamentals of narrative and poetic analysis through three units: poems that use narrative to explore the tension between life and art; Holocaust and "confessional" poems that represent traumatic suffering; and narrative poems examining the myth and reality of America.

2653 Romantic and Victorian Poetry 3 credits
The course addresses the formal innovations of Romantic and Victorian poetry in Nineteenth-Century England and pays special attention to the construction of the Lyric "I".

2654 Victorian Literature and Culture 3 credits
Poets, essayists, and novelists of the 1830-1880's in relation to the social and intellectual milieu, including Dickens, Eliot, Browning, Tennyson, Ruskin, the Pre-Raphaelites, and less well-known writers.

2670 Introduction to Drama 3 credits
This course will introduce students to basic elements of dramatic form such as plot, character, dialogue, and thought, and to various aspects of theatrical performance. Students will read examples of different types of plays from several time periods and countries.

2679 Restoration and Eighteenth-Century British Drama 3 credits
An introduction to various modes of drama popular from the Restoration through the late eighteenth century.

2700 Introduction to Film 3 credits
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.

2740 Classic Modern Novels 3 credits
Intensive study of five landmark novels, some in translation, by authors who have explored new territory in modern fiction.

2770 Introduction to the Essay 3 credits
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 of your own.

2779 Fact and Fiction: American Literary Nonfiction 3 credits
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.

2791 Children's Literature and Literary Children 3 credits
A study of children's literature focusing on fantasies for children ranging from Alice in Wonderland to Harry Potter; the second half of the course explores adult novels about children ranging from Dickens to contemporary writers.

2792 Comedy and Satire 3 credits
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.

2793 Fiction and Film: A Translation 3 credits
Translating the language of literature into the language of film. A study of 19th and 20th - century literature in a contemporary visual context. Writers may include Austen, Dickens, Hardy, James, Wharton, and Forster.

2795 Magic Realism and Literature of the Uncanny 3 credits
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.

2800 Literature and Culture of the American City 3 credits
Instructors may focus on how writers have responded to intensifying urbanization in the United States, largely since the end of the 19th century, and the role of literature in defining a distinctly "urban" culture *or* on how a particular city has been represented in literature or culture over time. Usually the focus will be on one city.
Counts toward the minor in American studies.

2820 Literature and the Environment 3 credits
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.)

2841 Arthurian Legends 3 credits
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.

2850 Literary London 3 credits
Focuses on the interrelationship between the city of London and English literary life between 1600 and 1900. Asks how the city is represented by texts; considers how they, in turn, were shaped by the environment in which they originally were produced and/or published; evaluates modern representations of centuries-old work; and examines some of the theoretical contexts and debates that have been used to interpret the literature of London and of urban life more generally.

2852 Eighteenth Century British Poetry 3 credits
Considers the wide variety of poetry written during the period; special attention is paid to debates among writers waged in verse.

2880 Parents and Children 3 credits
The portrayal in literature of the splendors and miseries of having children; of generational conflict; of people's changing attitudes, first as young children, then as parents of children and as middle-aged children of aging parents.

2900 Women, Culture, and Society in the Modern World 3 credits
An interdisciplinary course examining the changing historical, cultural, and literary concepts of "women," focusing on England and America in the 19th and 20th centuries. Utilizes a topical approach to explore women's lives through important literary sources, historical documents, and scholarly materials. May be used to fulfill requirements for minor in Women's Studies.

2901 Introduction to Women's Studies: Theory and Practice 3 credits
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).

2902 Women and Literature 3 credits
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: eg. American Women Writers; British Women Writers. May include works by Jane Austen, George Eliot, Virginia Woolf, Doris Lessing, and contemporary writers.

2903 Women Poets and Their Tradition 3 credits
May be offered in various forms: eg. American Women Poets; British Women Poets; Multicultural Women Poets, etc. The nature and development of British and American women poets. The specific tradition of women's poetry is addressed. Major works from the Renaissance through the 20th century.

2910 Women and Education in Britain, 1750-1920 3 credits
A look at the issues of women and education in 18th- and 19th-century Britain. Focuses on the interrelationship between debates about women's nature and roles and fictional representation of women's education (in all its guises).

2920-25 Topics in Literature: Introductory Level 3 credits
May be repeated since subject matter varies from term to term.

2926 Myth and Folklore 3 credits
An introduction to Greek, Roman, and Scandinavian mythologies and their function in works of literature ranging from Homer to Tolkien; the course includes a study of the classic fairy tales and their folkloric elements.

2936 Monstrous Imaginations: Ghosts, Witches, Werewolves, Oh My! 3 credits
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.

2960 Representations of the Holocaust 3 credits
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.

2990 Literary Theory and Criticism 3 credits
How critical theory can help readers understand particular works, the nature of literature, and the process of interpretation.

ADVANCED COURSES

3050 Chaucer 3 credits
Major works, with emphasis on The Canterbury Tales.

3101 Shakespeare: Histories and Comedies 3 credits
Consideration of the plays in the contexts of Renaissance and modern theatrical and dramatic conventions.

3102 Shakespeare: Tragedies and Romances 3 credits
Consideration of the plays in the contexts of Renaissance and modern theatrical and dramatic conventions.

3110 Renaissance Drama by Authors other than Shakespeare 3 credits
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.

3149 Elizabethan and Jacobean Poetry and Prose 3 credits
Examination of the work of writers such as More, Sidney, Spenser, Shakespeare, Jonson, and Donne in their historical and cultural milieu.

3150 Milton and 17th century Literature 3 credits
Studies in the metaphysical lyric, the biblical epic, the neoclassical satire, the essay. Selections from Donne, Milton, Dryden, Bacon, and others.

3200 Literature and Culture of the Long Eighteenth Century 3 credits
Poets, essayists, playwrights and novelists from 1660 to 1800 such as Dryden, Pope, Behn, Haywood, Swift, Johnson, Cowper, Fielding, Richardson, Sheridan, and Burney.

3210 The Rise of the Novel and the Representation of the Self 3 credits
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.

3211 The Courtship Novel in England 3 credits
Examines the emergence of the courtship novel as a literary genre in light of cultural perceptions about courtship, marriage, and the family in England between 1660 and 1860.

3351 Modernism 3 credits
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.

3353 The idea of Authorship in American Literature 3 credits
Investigates the idea of authorship at the end of the 18th century and start of the 19th century in America. Emphasis on writing and reading as distinctive practices.

3600 Brave New World: Global Literature in English 3 credits
Contemporary writers whose linguistic and cultural roots are in West and South Africa, India, and the Caribbean. May include J. M. Coetzee, Salman Rushdie, V. S. Naipaul, Arundhati Roy, and Louise Erdrich.

3601 Continental Fiction 3 credits
Major novels and novellas from the 17th through the 20th centuries by writers in France, Germany, Russia, Spain, and Italy. Authors include Voltaire, Goethe, Flaubert, Dostoyevsky, Tolstoy, Chekhov, and Mann.

3660 Modern Poetry 3 credits
Roots of such modern masters as Eliot, Pound, Frost, and Yeats, to poetry of the 21st century.

3669 The Art of Drama 3 credits
Theatrical conventions and techniques to clarify how dramatists convey meaning and hold an audience; intensive examination of selected American, English, and Continental plays.

3670 Modern Drama from Ibsen to the Present 3 credits
European, British, and American dramatists such as Ibsen, Strindberg, Chekhov, Shaw, Pirandello, O'Neill, Beckett, and Ionesco.

3671 Tragedy
Selected works from different periods and cultures. Emphasis on understanding the forms of tragic drama and the nature of the tragic vision of life.

3675 American Playwrights and Their Plays
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.

3731 The Development of the British Novel I 3 credits
Traces the emergence of the novel as a literary form and provides an introduction to Defoe, Richardson, Fielding, Sterne, Burney, and Austen; the novel of sentiment, the novel of sensibility, the gothic novel, and the novel of manners.

3732 The Development of the British Novel II 3 credits
Focuses on the English novel in the 19th century and may include work by the Brontës, Dickens, Eliot, Trollope, and novels of sensation by writers like Collins and Braddon.

3733 The Development of the British Novel III 3 credits
Treats twentieth-century experiments in fiction. Authors may include Conrad, Joyce, Lawrence, Woolf, Lessing, Byatt, Coetzee, and Rushdie.

3790 The Art of Fiction 3 credits
How great writers of fiction shape their audience's responses through traditional and experimental strategies

3791 The American Short Story 3 credits
Traces the development of the American Short Story, early nineteenth century to the present. Authors may include Nathanial 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.

3792 American Autobiography 3 credits
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.

3920-21 Topics in Literature: Advanced Level 3 credits
May be repeated, since the subject matter varies from term to term.

3922-23 Major Authors 3 credits
Works by a maximum of four major authors, usually English, American, or both. This course may be repeated; subject matter varies.

3930 Living Writers 3 credits
Fiction, poetry, and/or drama by contemporary English and/or American authors.

3964 Vietnam War in Literature, History, and Film 3 credits
Students study the ways in which the Vietnam War has been recorded, interpreted, and remembered from the 1960s through to the present. They are encouraged to find connections between different academic disciplines: English, history, and film studies.

3967-3970 Interdisciplinary Approaches to Literature 3 credits
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.

3971 Literature and Social Change 3 credits
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.

4000 Senior Exit Requirement (Literature) 1 credit
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. Pre-requisite: ENGL 1300

4001 Senior Exit Requirement: Creative Writing Senior Portfolio 1 credit
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.

4002 Communications/Media Exit Project 1 credit

FINANCE (FIN)

CONCENTRATION of BUSINESS MAJOR: Sy Syms School of Business
FIN 1408, 2409, 2505, 2521, 3510 and two courses chosen from: 2511, 3603, 3851, 3720; plus any two business electives.
MINOR: For Sy Syms School of Business students
Any three upper level finance courses.

MINOR: For Stern College Students
ACC 1001, IDS 1131 or IDS 1456*, FIN 1001 and any two upper level finance courses; plus any other Sy Syms course.

*Any student who has taken both Statistics and Calculus I in Stern College must take an additional Sy Syms course.

FRENCH (FREN)

1101–1102 Elementary French 3 credits.
Essentials of oral expression, listening comprehension, and basic reading and writing skills. 1101 is for students with no background. 1102 is for students with less than two years of high school French.

1201, 1202 Intermediate French 3 credits.
Intensive review of grammar; readings in literature; exercises in composition and conversation.
Prerequisite: two years of high school French or FREN 1102. Students with three years

of high school French may enter 1202 with permission of the instructor.

2101; 2102 Masterpieces of French Literature 3 credits.
Great works of French prose, poetry, and drama of the various periods.
Prerequisite: four years of high school French or FREN 1202.

2125; 2126; 2127; 2128 Survey of French Literature 3 credits.
First semester: medieval period and Renaissance; second semester: 17th and 18th centuries; third semester: 19th century; fourth semester: 20th century.
Prerequisite: four years of high school French or FREN 1202.

HEBREW (HEBR)

Jewish studies majors may concentrate in Hebrew. Students are assigned to the appropriate Hebrew level based on a Hebrew Placement Exam.
See the description of the Jewish studies major.

1101,1102 Elementary Hebrew I, II 3 credits
Introduction to speaking, reading, and writing in Hebrew; focus on the foundations of grammar and acquisition of frequently used words in daily life.

1103,1104 Lower Intermediate Hebrew I, II 3 credits
Review and expansion of basic skills in speaking, reading, and in Hebrew; continue to develop basic grammatical skills and enlarge vocabulary; begin to develop reading comprehension skills and writing normative Hebrew sentences.

1105,1106 Intermediate Hebrew I, II 3 credits
Continue to enlarge vocabulary and strengthen speech; reinforce the rules of grammatical structures of Hebrew and continue to develop reading comprehension skills; begin to develop understanding of the use of grammar for understanding Hebrew context and the art of writing a normative Hebrew paragraph.

1107, 1108 Intermediate Hebrew III, IV 3 credits
Review the rules of grammatical structures of Hebrew with focus on their utilization for reading comprehension and developing writing skills while reinforcing Hebrew speech; introduce students to unedited Hebrew texts (journalistic and scholastic) and continue to enlarge their vocabulary.

1205, 1206 Upper Intermediate Hebrew I, II 3 credits
Introduce students to modern Hebrew literature – poetry and prose – with a focus on the history of *Eretz Yisrael* since the early 20th century; develop the skill of poetic text analysis using grammatical rules and word implicit meaning; develop the skill of writing a critical paragraph in Hebrew; continue to reinforce speech.

1233, 1234 Conversational Hebrew 1 credit
Development of fluency in speaking Hebrew. For upper intermediate-advanced level

students.

2657 Modern Hebrew Prose 3 credits
The Hebrew short story and novel from 1880 to the present.

2669 The Hebrew Short Story of the 20th Century 3 credits
Detailed examination of the short story genre, its main characteristics, motifs, themes, and techniques as reflected in the works of various 20th century writers.

2679 Modern Hebrew Poetry 3 credits
Major poems of modern masters from 1880 to the present.

2687 Foundations of Renaissance Literature 3 credits
The works of Ahad Ha'am, Bialik, and Mendele.

2697; 2698 Contemporary Hebrew Literature 3 credits
Hebrew prose and poetry since 1948; literary analysis of selected readings of the major authors.

2709; 2710; 2719; 2720 Topics in Modern Hebrew Literature 3 credits
Each semester examines a specific area, such as literature of the Holocaust, war and peace in contemporary Israeli literature, portrayal of the Arab in Israeli literature, the kibbutz in Israeli literature, Zionism in Hebrew literature.

2801 -2820 Studies in Individual Authors and Their Works 3 credits

2810 Agnon 3 credits

2927 Biblical Themes in Modern Hebrew Literature 3 credits

4931-4934 Selected Topics 3 credits

HEBRAIC STUDIES (HEST)

This designation indicates block transfer credit granted for courses taken in the Rebecca Ivry Department of Jewish Studies or through the S. Daniel Abraham Israel Program.

Rebecca Ivry Department of Jewish Studies, Stern College for Women
Offers a comprehensive four year program in Hebrew language and literature and Jewish culture and civilization on the elementary, intermediate, and advanced levels. Students develop a reading, writing, and speaking knowledge of Hebrew; become acquainted with the basic texts of ancient, medieval, and modern Hebrew literature (including biblical literature with classical and modern commentaries, and Jewish legal literature); and study Jewish history and Jewish philosophy.

1303 through 1396 Hebraic Studies 3–6 credits each
Block credits transferred to the BA/BS transcript for courses taken in this department. This block of courses consisting of three courses which total at least 8 credits is referred to as CORE.

S. Daniel Abraham Israel Program of Yeshiva University
1400 through 1499 Hebraic Studies
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.

HISTORY (HIST)

MAJOR: Stern College for Women
Thirty-three credits: HIST 1101, 1102 plus 27 additional HIST credits, of which 6 must be in American History and 3 in non-Western history. Courses that cover both the U.S. and the non-Western world may be counted either as U.S. or as non-Western history, but not as both. With the permission of the senior professor, up to 6 credits in Jewish history (in excess of those used to meet the Jewish studies requirement) may be counted toward the major.
Exit requirement: either a 25-page paper, which counts as a 3-credit course toward the major (HIST 4001), or successful completion of one or another of the two capstone courses (HIST 3001, 3002), which will be offered in alternate years. Those wishing to write a senior paper should consult with a faculty advisor.
Majors are encouraged to master at least one language in addition to English and Hebrew. Knowledge of the relevant language is essential for senior thesis research on many topics in the history of Europe of the non-western world and for M.A. and PhD programs in History.

MINOR: Stern College for Women
Eighteen credits: HIST 1101, 1102, plus 12 additional HIST credits, of which 3 credits must be in American History.. Up to 3 credits in Jewish history (in excess of those used to meet the Jewish studies requirement) may be counted toward the minor.

1101 The Emergence of Europe 3 credits
Major themes in the cultural, political, and social evolution of the West from antiquity to the Reformation.

1102 The Transformations of Europe 3 credits
Survey of European history from the age of absolutism to the European Union of today.

1201; 1202 Survey of United States History 3 credits
Aspects of American history that have contributed to the shaping of American culture; evaluation of political, social, and economic trends in the light of changing ideals. First semester: colonial times to 1877; second semester: 1877 to the present.

1301; 1302 The Middle East I, II 3 credits
Provides the background for understanding current Middle East politics, the relationship between the West and the Middle East, and the resurgence of religion in the region. First semester: the emergence and the development of Islamic society; political, social, religious, and economic history of the Middle East from the 7th through the 17th century. Second semester: history, culture, and politics of the modern Middle East from the end of the 17th century to the present.

1401 History of East Asia 3 credits
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.

1501 The Contemporary World: Main Currents in Global History Since World War II 3 credits
Focuses on the dominant military, economic, and cultural role of the United States in international affairs. Topics include World War II, the Grand Alliance and its dissolution; the advent of the nuclear age and arms race; origins of the cold war in Europe; the Chinese Revolution and the Korean War; decolonization and wars of national liberation in Asia and Africa; Latin America; the Middle East; the fall of the Soviet Union; terrorism and ethnic conflict; and the global economy in the Internet era.

2101 Medieval Society 3 credits History of European politics, society, and religion in the Middle Ages, from the 5th to the 14th centuries, with particular focus on selected primary sources from the period and how historians view them today.

2104 The Renaissance and Reformation 3 credits
European thought and culture in the age of transition, from the 14th to the 17th centuries.

2107 Old Regime and the French Revolution 3 credits
History of France from the death of Louis XIV to the coup d'état of Napoleon. The first half of the course examines the social and political structures of the Old Regime, the crisis of the French monarchy, and the failure of reform; the second half focuses on the emergence of a democratic political culture during the Revolution, the process of radicalization, and the recurrent problem of how to bring the Revolution to a close

2111 Eastern Europe: 1914–1989 3 credits
Political, social, and economic development of Eastern Europe—the lands between Germany and Russia—between World War I and the East European revolutions of 1989. Emphasis on the nationalities conflict and economic backwardness.

2121 Images of Empire 3 credits
Examines the enduring power of classical models of empire in the Western tradition, particularly the influence of the Roman Empire on empires from Charlemagne to

Mussolini. Explores how ancient discussions about slaves, images of rulers, and debates about female rulers such as Cleopatra and her successors affected their more modern counterparts.

2124 History of the Book: From Gutenberg to Google 3 credits
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.

2127 The European Enlightenment 3 credits
Examines works by some of the major figures of the eighteenth-century Enlightenment, such as Voltaire, Diderot, Rousseau, Hume and Kant. Considers the institutional settings in which Enlightenment ideas took shape, the media through which they were disseminated, and the public debates that they provoked**.**

2141 The Holocaust 3 credits
(Same as JHIS 1485.)
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.

2144 Polish-Jewish Relations in Modern Times 3 credits
(Same as JHIS 1454.)
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.

2149 Topics in European History 3 credits
Topics may vary by semester.

2151 Nationalism in Modern European History 3 credits
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.

2154 History of Modern Russia 3 credits
History of Russia from the era of Peter the Great to the death of Stalin after World War II.

2157 Modern Poland: From Subjugation to Independence, 1772–1989 3 credits
History of Poland from the loss of sovereignty at the close of the 18th century to the East European revolutions of 1989. Topics include 19th century attempts to regain independence; the Polish question during World War I; independent Poland between the two world wars; destruction of Poland in World War II; Communist Poland after World War II; and the return to freedom in the tumultuous year of 1989.

2201 American Colonial History 3 credits
Origins and development of the English North American colonies from the early 17th century to the eve of the American Revolution. Contacts between Europeans and American Indians; Puritanism; slavery; economic growth; urbanization; relations with England.

2204 The United States: 1850–1877 3 credits
Sectionalism, Civil War, and Reconstruction. Impact of slavery on American society. The "irrepressible" conflict. Military campaigns. The home front—North and South. The attempt to restructure Southern society and its failure.

2207 The New Deal and The Great Depression 3 credits
Examination of the American economy of the 1920s and its weaknesses; the Depression and unemployment, and the measures undertaken by the New Deal to counteract their devastating impact; the emerging social forces that challenged traditional political and social structures.

2210 The United States: 1941– Present 3 credits
Domestic politics and international relations of the United States from World War II to 9/11. The origins and impact of the cold war; the civil rights struggle; Vietnam War; Watergate and the imperial presidency; economic and social change.

2213 American Politics and Culture in the 1960s 3 credits
The Vietnam War, student, civil rights, and women's movements; rise of youth culture; and the origins of the contemporary conservative movement..

2221; 2222 American Cultural History 3 credits
Selected topics in 19th and 20th century cultural history, such as the myth of the frontier, the difference between "high" and "low" culture, working-class leisure activities, the rise of the film industry, the Jazz Age and the Harlem renaissance, the Depression, and the transformation of popular culture in the 1950s and 1960s.

2225 Social Movements in American History 3 credits
Examines a variety of social movements and protest politics of 19th and 20th centuries: abolitionist movement, women's movement, populism, the KKK, movements of the Depression era, the 1960s, the New Right, and protest movements in the era of globalization. Explores the ideology, political culture, mobilization, identity politics, and empowerment strategies of these movements.

2228 Ethnicity and Immigration in America 3 credits
The experience of national and ethnic immigrant groups from early settlements in the colonies to the present; the economic, political, and religious rationale for migration; social and cultural traditions and expectations of the immigrants, their interaction with American society, and patterns of adaptation.

2231 The History of New York City 3 credits
New York City from colonial times to 21st century and its status as a postindustrial city. Focuses on following themes: the people of the city; its immigrants; its neighborhoods; its cultures; the post-World War II trend of urban renewal and its effects; the rise and fall and resurgence of some neighborhoods; urban politics; the status of the city facing the economic and political trends of a globalizing world.

2234 History of Women in the United States 3 credits
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.

2237 African American History 3 credits
History of African Americans from their origins in Africa to their current situation in the United States. Focuses on the institution of slavery, showing how it changed over time and how African American culture evolved; the ways in which African Americans coped with the violence and discrimination they faced in the South after the Civil War as well as their struggle for racial equality in the 20th century; cultural achievements of African Americans in the North and the South.

2240 American Jewish History 3 credits
(Same as JHIS 1573.) Major political, economic, and cultural developments from colonial beginnings to the present; the Jewish experience in its American historical context; the Jewish labor movement, rise of American Zionism, and role of American Jewry during the Holocaust.

2251 History of American Foreign Policy 3 credits
U.S. foreign policy from the American Revolution to World War II. Continental expansion, Monroe Doctrine, imperialism, Open Door, neutrality and World War I, isolationism, the road to Pearl Harbor.

2254 The United States and Vietnam 3 credits
The Vietnam War, with attention to traditional Vietnamese history; the struggle against French imperialism; the cold war and American involvement in Vietnam; impact of the war on Vietnamese society; the war at home; peacemaking and withdrawal; the aftermath.

2301 Ethnic and Religious Minorities in the Middle East 3 credits
Examines the process of change of the Middle East from a religious and ethnic mosaic to an increasingly homogeneous region. Topics include the process of conversion to Islam and the relationships between the Islamic regimes of the Middle East and their

religious and ethnic minorities, focusing on Christians and Jews, and the effects of modernization, European colonialism, and nationalism on the minorities in the region.

2501 History and Ethnography 3 credits
Examines the idea that historically, writers within the Western tradition have often defined themselves in relations to others. By looking at texts and images that purport to show others, the course considers what they say about Europeans' ideas of themselves in their historical context, and if it is possible to write about other cultures "objectively." Also explores how historians have used cultural difference and ethnological description as causal forces.

2511 The Crusades 3 credits
Examines the Crusades in the Middle Ages, focusing on religious, economic, and social origins; the nature of Christian and Muslim relations; the character of the Crusader kingdom; and the legacy of the crusading idea in Western culture.

2514 Imperialism and the Middle East 3 credits
Analyzes European political, economic and cultural imperialism in the Middle East during the 19th and 20th centuries and the impact of colonial rule on peoples of the Middle East.

2517 US Engagement with the Middle East: Power, Faith and Fantasy 3 credits
(Same as POLI 4930.) Traces the interaction between religion, popular culture and American policy toward the Middle East.

2520 Atlantic World 3 credits
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." This course will consider the transatlantic connections that defined this "world": economic, social, political, and how it transformed over the seventeenth and eighteenth centuries.

2531 The History of the Cold War 3 credits
The Soviet-American conflict after World War II, with attention to Soviet expansion into Eastern Europe; the Marshall Plan; NATO and the nuclear arms race; the Chinese Revolution and Korean War; Cuban missile crisis; Vietnam War, Brezhnev Doctrine; Third World struggles; détente; and the end of the cold war.

2601 Legal History 3 credits
Law is the matrix through which society operates, from the earliest city-states to the nations of today. This course examines in broad terms the development of legal systems, the relationship of subject/citizen and the state, criminality, and domestic vs. international justice from the historical perspective.

2604 Piracy and the Nation State 3 credits
Examines 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.

2607 International Crimes: Atrocity and State Response in the 20th Century 3 credits
Explores the emergence and incidence of genocide and other crimes against humanity in the 20th century. Emphasis will be placed on how the international community has responded, the use of the trial and other forms of retributive justice, and the emergence of international law after the Second World War.

2610 Dissent and Repression in the United States 3 credits
Political repression from the colonial period to the present, including the Alien and Sedition Acts, antiabolitionism, Civil War, repression of labor unions, World War I, Red Scare, Japanese American internment, McCarthyism, and the war on terrorism

2613 Law and Dispute Settlement in Pre-Modern Europe 3 credits
Examines the development of legal systems and the methods used to settle disputes in pre-modern Europe, by comparing the various ways in which laws were made in Europe from the Greeks to the sixteenth century, and reading a variety of records to see how disagreements were settled in practice in this period.

2701 Topics in the History of Modern Science 3 credits
Introduces students to the historical development of the modern physical and life sciences, as well as introducing them to the social and historical analysis of science. Explores how science has come to enjoy the enormous prestige and support it has in modern western society, and how science takes place as an activity embedded in and drawing upon broader culture.

2801 Greek Civilization 3 credits
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).

2811 Roman Civilization 3 credits
Social, political, cultural, religious, and economic history of Rome from the city's foundation in the 8th century BCE to the fall of the Western Roman Empire in the 5th century CE. Particular emphasis on the late Republic and Early Empire. Examination of different types of evidence available for the study of ancient Rome (literary, archaeological, numismatic, papyrological, epigraphic, and artistic) and current resources and problems in the field of Roman history.

2821 Archaeology 3 credits
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.

2901 The Civilizing Process in the West 3 credits
Examines the civilizing process in the West across roughly five-hundred years, from the Renaissance to the early 20th century. Topics include: shifting standards of polite behavior, especially as regards table manners; the "olfactory revolution" and the elevation of visual over other modes of sensory experience; instinctual renunciation and curbs on aggression; western critics of the civilizing process such as Rousseau and Nietzsche; and how the ideas of "civility" and "civilized" have been used as markers of social distinction, both within western societies and between western and non-western societies.

2904 Women, Culture, and Society in the Modern World 3 credits
Interdisciplinary course examining the changing historical, cultural, and literary concepts of the subject of women, focusing on Europe and America in the 19th and 20th centuries. A topical approach is used to explore women's lives through important literary sources, historical documents, and scholarly materials.

2907 Modernity 3 credits
Interdisciplinary course on change and how individuals and societies respond to it. Topics may include traditional society; revolution, identity, and the state; technology; modernity and city life; globalization and the Third World.

2910 Creating the State 3 credits
This course examines the growth and the evolution of the state as both a social and philosophical construct from antiquity to the modern era.

2913 Immigration Nations: US and Israel 3 creditsA comparative survey of immigrant, ethnic, and racial experience in the 20th and 21st centuries with particular attention to patterns of similarities and differences of the diverse groups within each society.

3001 Ideas of History: Antiquity to Renaissance 3 credits
Examines a selection of historians from antiquity to the Renaissance—such as Herodotus, Josephus, Geoffrey of Monmouth, and Machiavelli—in order to set them in their intellectual context and to ask questions about the nature of history.
Prerequisite: HIST 1101 or permission of the instructor.

3002 Ideas of History II: 19th Century to the Present 3 credits
Examines works by some of the most influential historians from the early 19th century to the present-e.g. Leopold von Ranke, J. Huizingua, Fernand Braudel, E. P. Thompson, and Natalie Davis- in order to survey the range of approaches to the study of the past.

4001 Senior Thesis 3 credits
Seniors majoring in history may opt to write a research paper on a topic of their choice to meet the exit requirement. See a faculty advisor for details.

4901; 4902 Independent Study
See Academic Information and Policies section.

INFORMATION AND DECISION SCIENCES (IDS)

CONCENTRATION of BUSINESS MAJOR: Sy Syms School of Business
IDS 1030, 2822, 3000, 3530, 3560, and four upper level Sy Syms courses.

MINOR: For Sy Syms School of Business students
Three upper level Information and Decision Sciences courses.

MINOR: For Stern College Students
IDS 1020, two other non-IDS core courses, three upper level IDS courses.

IDS 0001 Pre-Statistics for Business 0 credit
This course provides a review of computational and problem-solving skills. Included is a presentation of a broad scope of fundamental mathematical concepts in applied mathematics relevant to accounting, finance, management, and marketing, with examples drawn from different business disciplines.

IDS 1020 Introduction to Information Systems 3 Credits
This course provides the background necessary to make decisions about computer-based information systems and to be an end-user. The course includes hands-on experience with personal computers and information systems management. Groups and individual computer assignments expose students to electronic spreadsheet analysis and database management on a personal computer. Management aspects focus on understanding computer technology, systems analysis and design, and control of information processing by managers.

IDS 1030 Introduction to Computer Programming 3 Credits
Introduction to developing software using structured programming and object oriented techniques. Topics include but are not limited to variables, data types, control flow, subroutines and functions, arrays, introduction to classes and objects, methods, information hiding, constructors, inheritance, polymorphism and exception handling. Students develop their problem-solving skills through programming exercises.

IDS 1131 Statistics for Business 3 Credits
This course includes modern statistical methods as a basis for decision making. Topics include fundamentals of probability, discrete and continuous distributions, descriptive statistics, and inferential statistics. Credit is not given for STA 1021.
Prerequisite: passing Mathematics Proficiency Exam or IDS 0001.

IDS 1456 Quantitative Methods for Management 3 Credits
Part 1. Applications of calculus for solving business problems. Topics include functions, limits, techniques of differentiation, marginal analysis, higher-order derivatives and

optimization, integration, and applications of these techniques as they relate to business. Part 2: Linear Regression Analysis: Topics include the simple linear regression model, inference in regression analysis, sensitivity analysis, multiple regression analysis, and introduction to time series analysis.
Prerequisite: IDS 1131.

IDS 1601 Operations Management 3 Credits
Introduction to the study of operations:Operations management studies the systematic planning, design, execution, control and improvement of the various procurement, production, storage, and shipping processes involved from the time a product or service is designed until its delivery to the end customer. Students benefit from learning the role of operations as a functional area of the firm and understanding fundamental processes involved in both manufacturing and service organizations. Topics include process analysis, capacity management, optimization via linear programming, project management, queuing models, inventory and supply chain management, and revenue management.
Prerequisites: IDS 1131, IDS 1456.

IDS 2160 Decision Models 3 Credits
This course introduces the basic principles and techniques of applied mathematical modeling via spreadsheets for managerial decision making. Students learn to use some of the more important analytic methods focusing on spreadsheet modeling. Students learn to develop models that can be used to improve decision making within an organization; sharpen their ability to structure problems and to perform logical analyses; translate descriptions of decision problems into formal models and investigate those models in an organized fashion; identify settings in which models can be used effectively and apply modeling concepts in practical situations. The course emphasizes model formulation and interpretation of results and is aimed at undergraduate students with little prior exposure to modeling and quantitative analysis, but it is appropriate for all students who wish to strengthen their spreadsheet and quantitative skills. The emphasis is on models that are widely used in diverse industries and functional areas, including finance, operations, and marketing.
Prerequisites: IDS 1020, IDS 1131, IDS 1601, MAN 1001.

IDS 2550 Business Intelligence and Consumers Insights 3 Credits (Cross-listed with ENT/MAN/MAR 2550)
Data mining is a powerful new technology with great potential to help companies focus on the most important information in the data they have collected about the behavior of their customers and potential customers. It discovers information within the data that queries and reports can't effectively reveal. This course explains what data mining is, how it can be used, and how it can help a company leapfrog its competition. Internet based applications such as social media, website usage, tracking and online reviews as well as a firm’s own activities and business processes, are discussed as potential sources of data.
Prerequisites: MAR 1001, IDS 1020, IDS 1131

IDS 2255 E-Commerce 3 Credits (Cross-listed with MAR 2255)
This course provides an understanding of e-commerce and its impact on firms, industries and markets. In a few short years, the Web has already had a large impact on how we shop, read, conduct business, learn, and consume information like music and art. The fundamental architecture of information processing within the firm is changing as new Internet technologies appear. Internet technologies are also having a broad impact on the management of firms. How well firms are able to master these new technologies and business models is having an important impact on their overall success. This course describes the technologies used in electronic commerce; discusses the resulting changes in organization structure, industry, and societal behavior and seeks to understand the forces that bring about these changes.
Prerequisites: IDS 1020, MAR 1001, MAN 1001.

IDS 2500 Financial Information Systems 3 Credits
This course discusses how modern financial markets function as a network of systems and information flows, and how to use information technology for decision making in trading and managing customer relationships. The first part of the course describes how systems facilitate various kinds of payments and settlement mechanisms, enable financial markets such as exchanges and ECNs, and support inter-institution communication. The second part of the course describes how traders, analysts, and risk managers use systems to cope with the vast amount of data on the economy, markets, and customers that flow into their systems each day.
Prerequisites: IDS 1020, ACC 1001, FIN 1001.

IDS 2822 Systems Analysis and Design 3 Credits
This course focuses on concepts and methods used in the analysis, design and maintenance of complex computer-based information systems. It explores the major issues at each stage in the Systems Development Life Cycle (SDLC). Various technical tools ranging from flowcharts and Universal Modeling Language (UML) diagrams to automated design techniques are discussed. The course aims to sharmen student's critical thinking skills in trying to work through the details of a complex software and hardware infrastructure that best meets the needs of all stakeholders in an information system. A team project provides students with the opportunity to apply the concepts learned in class to a non-trivial systems analysis and design problem.
Prerequisites: IDS 1030, IDS 3560.

IDS 3000 Technological Problem Solving 3 Credits
This capstone course focuses on the design and implementation of behavioral and quantitative models to aid decision makers. It requires a project for designing and implementing an actual decision support system. The emphasis is on effective design, implementation and use of existing models of decision support.
Prerequisites: IDS 1030, IDS 2822, IDS 3530 and IDS 3560.

IDS 3530 Networking and Data Communications 3 Credits
This course focuses on the fundamentals of data communication networks, their architecture, principles of operations, and performance analyses.
Prerequisite: IDS 1020.

IDS 3560 Database Management 3 Credits
This course focuses on the analysis of the data needs on an organization and the design and development of database systems to meet those needs. Topics include but are not limited to: conceptual data modeling, normalizing of a database schema, Structured Query Language (SQL), views, stored procedures and triggers, distributed databases, data warehousing, physical database design, database transactions, backup and recovery strategies, data security and integrity and the integration of databases with software development programming languages.
Prerequisites: IDS 1020 and IDS 1030.

IDS 3600 Strategic Information Technology Management 3 Credits
This course explores information technologies to enhance strategic goals of the organization. It examines the relationship between broad strategic goals and organizational mission, and specific tactical IT responses. It also considers strategic importance of ERP, CRM, corporate intelligence, and knowledge sharing.
Prerequisites: IDS 1020, ACC 1001, ACC 1002, MAN 1001, MAN 1020, MAR 1001, BLW 2021/2111, IDS 1601, FIN 1001, IDS 1131.

JEWISH EDUCATION (JEDU)

MAJOR: Stern College for Women
The Jewish Education concentration is a track within the Jewish Studies major. Interested students must meet with the Program Director and be accepted into the track. 38-39 credits above the Jewish Studies requirement: 15 credits of Jewish Studies with at least 9 credits in BIBL and the remaining 6 credits in either JHIS or JPHI or JUDS; EDUC 2807; JEDU 2312 (2-3 credits), 2319;, 3215-3218, 3225, 3226: Teaching Bible (3 credits-AGS);

The following courses, which may apply toward the General Education Requirements, are also required: EDUC 2201, and an Education elective; plus PSYC 1010, 1107, 3400. Some of the above courses may be taken in the Azrieli Graduate School (AGS). Proficiency in Hebrew is required.
Details of the Jewish Education track are available from the Program Director.

A joint bachelor's-master's program in Jewish education is offered together with Azrieli Graduate School of Jewish Education and Administration. Interested students should consult the Office of the Registrar. Courses in Jewish education are not part of a program designed for the preparation of teachers in the public schools and are, therefore, not applicable to certification by the New York State Education Department.

2312 through 2320 Methods and Materials in Teaching Specific Subjects 2-3 credits

2312 Teaching Hebrew 2-3 credits

2314 Teaching Bible 3 credits

2319 Teaching Jewish Studies 3 credits

Seminar and fieldwork
3215, 3216, 3218 Jewish Education Fieldwork 0.5-1 credit

3225 Jewish Education Student Teaching 6 credits
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 one's growth as a teacher.
Corequisite: JEDU 3226

3226 Senior Seminar in Jewish Education 3 credits
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: JEDU 3225

JEWISH STUDIES (JST)

MAJOR: Stern College for Women
Twenty-seven credits at the advanced level beyond those used to meet the Jewish Studies requirement (6 semesters Core, 14 additional credits and distribution), with a concentration in one or two of the following areas: Bible, Hebrew, Jewish history, Jewish philosophy, Judaic studies. With Departmental permission, one course may be taken outside the area(s) of concentration if it relates to the other courses in the major.
Stern College offers Joint Bachelor-Masters Programs with both the Bernard Revel Graduate School and the Azrieli Graduate School. With written permission Jewish studies courses at these graduate schools may count toward the requirements for the major. Interested students must apply for such permission by filing either the Joint Bachelor-Masters Programs Application or the Request to Take a Graduate Course for Undergraduate Credit Only form. These forms are available at the Office of the Registrar.
Students interested in the Jewish Education track of the Jewish Studies major should see the catalog entry "Jewish Education (JEDU)".

Required courses for each concentration of the Jewish Studies major:
BIBL
a) one course in medieval or modern exegetical methods (e.g., BIBL 1081- 1097)
b) one course in a specific book of Tanakh.

JUDS:
a) one text-based course (JUDS 1510-1512; 1531-1534; 1839-1854; 1871-1874 or a JUDS class with the "beit midrash" designation)

b) one in-depth halakhah course.

JHIS:
a) one survey course (e.g., JHIS 1001-1002; 1200-1202; 1300-1302; 1400-1402)
b) one course in a specific period or topic.

JPHI:
a) one course from those numbered JPHI 1203-1224
b) one course in medieval Jewish Philosophy (e.g., JPHI 1626-1654).

MINOR: Stern College for Women
Fifteen credits on the advanced level beyond those used to meet the Jewish Studies requirement (6 semesters Core, 14 additional credits and distribution), with a concentration in one or two of the following areas: Bible, Hebrew, Jewish history, Jewish philosophy, Judaic studies. No courses may be outside the area or areas of concentration.

JEWISH HISTORY (JHIS)

MAJOR: Stern College for Women
Jewish studies majors may concentrate in Jewish history. See the description of the Jewish studies major.

1001; 1002 Survey of Jewish History 3 credits
Political, social, economic, and cultural currents in the history of the Jews from the Second Commonwealth through modern times. First semester: Second Commonwealth, late Roman period, and Jewry in the orbit of Islam; second semester: the Jews in medieval Christendom; the development of modern Jewish history.

1101 Ancient Jewish History 3 credits
History of the Jews to the end of the First Commonwealth, 586 BCE.

1105; 1106 History of the Ancient Near East 3 credits
First semester: third millennium BCE to 1300 BCE; second semester: 1300 BCE to 586 BCE.

1200 Classical Jewish History 3 credits
History of the Jews from 300 BCE to 500 CE.

1201; 1202 Classical Jewish History 3 credits
History of the Jews from the Second Commonwealth through the Talmudic period (586 BCE to 500 CE).

1231 The Apocrypha 3 credits
Survey of the Apocrypha, with intensive analysis of one or more of those books; historical and literary aspects.

1233 Early Jewish Movements 3 credits
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.

1235 The Dead Sea Scrolls 3 credits
Archaeological, historical, and literary aspects of the scrolls; their place in the development of the Hebrew language and Jewish thought.

1300 Medieval Jewish History 3 credits
The Jewish people from the Gaonic period (500 CE) to the end of the Thirty Years' War (1650).

1301; 1302 Medieval Jewish History 3 credits
The Jewish people from the Gaonic period (500 CE) to the Expulsion from Spain (1500).

1321 Jews in Medieval Christendom 3 credits
Jewish settlement in Italy and FrancoGermany; Rashi and the Tosafists; law and society; the Crusades and the origins of medieval antiSemitism; Christian Spain— disputations, conversions, and Expulsion; the Jews in the Renaissance.

1323 Origins of European Jewry 3 credits
Origins of Ashkenazic and Sephardic Jewry.

1325 Responsa Literature as a Source of Jewish History 3 credits
Social and economic life of the Jews in Germany, from the 11th to the 14th centuries, as reflected in Responsa.

1327; 1328 The Tosafists 3 credits
The literary and juridical creativity of Ashkenazic scholarship in the 12th and 13th centuries.

1329 History of Halakhah 3 credits
Historical development of post Talmudic legal decision making.

1330 History of Minhagim 3 credits.
Historical development of postTalmudic customs and practices.

1332 History of Medieval Biblical Exegesis 3 credits
Leading trends and figures in Biblical interpretations during the 12th and 13th centuries.

1335 The Jews of Medieval Spain 3 credits
The Jews in Christian and Moslem Spain; the Golden Age; the Expulsion.

1344 Jewish Christian Polemics 3 credits
The debates between Christians and Jews in the Middle Ages based on differences in philosophy and biblical exegesis; their role in shaping and reflecting social and legal relationships.

1371; 1372 Jews in the Medieval Moslem World 3 credits
Judaism and Islam; the protected minority; Gaonate and Exilarchate; Karaism and false Messianism; Saadiah Gaon and medieval Jewish philosophy; the flowering of Jewish culture in Moslem Spain; the migration to Provence.

1400 Modern Jewish History 3 credits
One semester survey of the material covered in Modern Jewish History I; II.

1401; 1402 Modern Jewish History I; II 3 credits
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 antiSemitism and the Holocaust; Zionism and the founding of the State of Israel. First semester: 1600–1900; second semester: 1900–1948.

1403 Destruction of Polish Jewry 3 credits
Seminar analyzing the destruction of Polish Jewry during World War II.

1415; 1416 History of Zionism 3 credits
Rise and development of modern Jewish nationalism against the backdrop of contemporary Western civilization and the scope of Jewish history; writings of major Zionist ideologues; role of Zionism within the major Diaspora communities; impact of the rise of the Jewish state movement on the world political and diplomatic scene.

1451 The Jews in Eastern Europe I 3 credits
History of the Jewish people in Eastern Europe from the Early Settlement to the Third Partition of Poland (1795).

1452 The Jews in Eastern Europe II 3 credits
History of the Jewish people in Eastern Europe since 1795.

1471; 1472 Jews in the Modern Arab World 3 credits
Communal, economic, and cultural history of the Jews in Moslem lands in modern times. Prerequisite: JHIS 1002.

1485The Holocaust 3 credits
(same as HIST 2141.)
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. Under the Eli and Diana Zborowski Professorial Chair in Interdisciplinary Holocaust Studies.

1486 Holocaust and Rescue 3 credits
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.

1501; 1505 History of Palestine 3 credits
Immigration and settlements; relations with ruling powers; rise of independence. First semester: under the Turks, 1880–1918; second semester: under the British, 1919–1948.

1511; 1512 Modern Israel 3 credits
Comprehensive survey of the history of Israel from 1948 to the present; political, economic, and social developments; current problems.

1575; 1576; American Jewish History 3 credits
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.

1577 Jewish Religion in America 2-3 credits

1803 Historiography 3 credits
Seminar on the great Jewish historians; their philosophy, method, and works from ancient times to the present.

1811 Messianic Movements in Judaism 3 credits
History of various Messianic movements among the Jewish people from the 1st to the 19th centuries.

1829; 1830; 1831; 1832; 1833;1834 Jewish Intellectual History 3 credits
Sequence of courses focusing on major themes in the intellectual history of the Jews from the Second Commonwealth to the present; readings almost exclusively from primary sources. JHIS 1829; 1830 covers the classical period; 1831; 1832, medieval period; 1833, early modern period; 1834, modern period.

4901, 4902 Independent Study
See Academic Information and Policies section.

4930-4939 Topics 2-3 credits
Selected topics in Jewish history.

JEWISH PHILOSOPHY (JPHI)

MAJOR: Stern College for Women
Jewish studies majors may concentrate in Jewish philosophy. See the description of the Jewish studies major.

1131; 1132 Introduction to Jewish Philosophy 3 credits
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.

1135, 1136 Survey of Jewish Philosophy 3 credits
Survey of Jewish thought on selected present day religious, moral, and ethical issues; discussion and analysis based on traditional and contemporary writings.

1203; 1204 Jewish Ethics 3 credits
The moral philosophy of Judaism; individual and social problems in light of Jewish ethical norms and values; readings from selected texts, both medieval and modern.

1214 Theories of Evil 3 credits
The problem and definition of evil as understood in Talmudic literature and medieval and modern Jewish philosophy.

1224 Theories of Prophecy 3 credits
Survey of medieval Jewish sources on the nature and scope of prophecy.

1309 Jewish Eschatology 3 credits
Analysis of textual sources—ancient, medieval, and modern—dealing with eschatology in Judaism.

1441; 1442 History of Jewish Philosophy 3 credits
Problems and concerns of the major Jewish thinkers; role of philosophy within Judaism. First semester: through the medieval period; second semester: modern thought.

1611, 1612 Medieval Jewish Philosophy 3 credits
Selected topics and readings from Albo, Bahya, Crescas, Yehudah HaLevi, Maimonides, Saadiah, and relevant background study (NeoPlatonism, Kalam, Aristotelianism).

1626 Philosophy of Saadiah Gaon 3 credits
Analysis of the Hebrew text of the Emunot veDe'ot, emphasizing Saadiah's treatment of philosophical problems; comprehensive study of Saadiah's philosophy from the historical perspective.

1647; 1648 Philosophy of Yehudah HaLevi 3 credits
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. For intermediate and advanced students in Jewish studies.

1650 Philosophy of Maimonides 3 credits
Selections from the philosophical works of Maimonides: Sefer HaMada of Mishneh Torah, the Eight Chapters, the Guide for the Perplexed.

1651; 1652; 1653; 1654 Philosophy of Maimonides 3 credits
More detailed studies of the material covered in JPHI 1650.

1801, 1802 Jewish Thinkers of the 18th Century 3 credits

1803; 1804 Jewish Thinkers of the 19th Century 3 credits
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.

1813; 1814 Modern Jewish Thought 3 credits
Introduction to the philosophical works of the great Jewish thinkers of the past two centuries. Selected readings.

1815; 1816 East European Jewish Thought 3 credits
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.
1817; 1818 Philosophy of Zionism 3 credits
Major idea, approaches and texts during the 19th and 20th centuries.

1843; 1844 Contemporary Jewish Philosophy 3 credits
History and development of major currents in contemporary Jewish thought, including Orthodoxy, Reform, Conservatism, Reconstructionism, and neoHasidism.

1845; 1846 Philosophy of Rav Soloveitchik 23 credits
Readings in Rabbi J. B. Soloveitchik's writings. The lecture supplies background material and contrast in general and Jewish philosophical reflection.

1853, 1854 Modern Jewish Problems 3 credits
Basic legal concepts, attitudes, and opinions relative to contemporary society that emerge from the Talmud, Commentaries, and Responsa literature.

1903 Belief and Religious Commitment 3 credits
Role of philosophy and the liberal arts (particularly literature) within a religious intellectual worldview; medieval views of Jewish philosophers (Albo, Bahya, Saadiah); modern criticisms of medieval positions; reworkings of the relation between faith and reason in modern thought (Barth, Kierkegaard, Newman); Jewish critiques and defenses of secular studies in the modern world (Hirsch, Lamm, Lichtenstein, B. B. Liebowitz, Soloveitchik, Wasserman); literature and religious belief (Jewish and nonJewish texts).

1905 Philosophy of Prayer 3 credits
Analysis of the philosophy of prayer and of the Jewish prayer book.

1907, 1908 Philosophy of Biblical Laws 3 credits
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.

1917; 1918 Topics in Jewish Philosophy 3 credits
Selected topics including faith and doubt, dogma, free will, Providence, the Holocaust, State of Israel.

1921; 1922 Judaism and Culture 3 credits
Analysis of the concept of Torah im Derekh Eretz and comparison to other views on the relation of Torah and general culture. Sponsored by Jacques Schwalbe.

1923 Dogma in Jewish Thought 3 credits
Medieval and modern Jewish philosophical views of the concept of dogma.

1924 Dogma: The 13 Principles 3 credits
The articles of faith of Maimonides and other leading medieval Jewish thinkers.

4901, 4902 Independent Study
See Academic Information and Policies section.

4931; 4932 Selected Topics 3 credits
Analytical study of special topics, issues, and movements in Jewish philosophy.

JUDAIC STUDIES (JUDS)

MAJOR: Stern College for Women
Jewish studies majors may concentrate in Judaic studies. Judaic studies courses are offered on the elementary, intermediate and advanced levels. Students are placed on the proper level by oral assessment.

1000 Introduction to Judaism 3 credits
One-semester survey of the material covered in Introduction to Judaism.

1001, 1002 Introduction to Judaism 3 credits
Basic Jewish concepts; analysis of the fundamental principles of Jewish legal history and thought.

1023; 1024 Jewish Legal Values and Concepts 3 credits

1201; 1202 Jewish Liturgy 3 credits
History, order, and structure of the prayer book. For intermediate students.

1203; 1204 Jewish Liturgy 3 credits
Same as 1201; 1202. For advanced students.

1210 Topics in Jewish Liturgy 3 credits
The weekday service.

1350 Introduction to Jewish Beliefs 3 credits
Jewish mysticism; history and development of the Kabbalah; readings from the Zohar and related works on such topics as the Sefirot, Torah, the world, evil, and eschatology.

1371; 1372 Hasidism 3 credits
History and major concepts, with readings from and analysis of classical texts such as the Baal Shem Tov, R. Jacob Joseph of Polonnoye, the Maggid, the Tanya, R. Nahman of Bratzlav, and R. Levi Yitzhak of Berdichev.

1381; 1382; 1383; 1384 Mussar 3 credits
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.

1400-1499 Jewish Laws and Customs
Jewish laws, customs, and concepts; their history and development.

1401, 1402 3 credits
Introduction to sources, texts, terms, and basic concepts of Jewish law.

1410-1420 Women and Jewish Law 2-3 credits

1424 3 credits
Visiting the sick and mourning.

1431 3 credits
Kashrut—for elementary-level students.

1433 3 credits
Kashrut—for intermediate-level students.

1435; 1436 3 credits
Kashrut—for advanced students.

1439 3 credits
Home and family—for elementary-level students.

1440 3 credits
Home and family—for intermediate-level students.

1443 2–3 credits
Home and family I (Hilkhot Niddah I); Jewish family purity sources—for upper intermediate-advanced students.

1444 2–3 credits
Home and Family II (Hilkhot Niddah II); Jewish family purity sources—for upper intermediate-advanced students.

1449, 1450 3 credits
Marriage: issues and laws relating to dating and marriage; divorce—for advanced students.

1451
The Sabbath—for elementary-level students.

1453, 1454
The Sabbath—for intermediate-level students.

1455; 1456; 1457; 1458; 1459; 1460
The Sabbath—for advanced students.

1461, 1462
The Festivals—for elementary-level students.

1463, 1464
The Festivals—for intermediate-level students.

1465; 1466; 1467; 1468
The Festivals—for advanced students.

1470S through 1479S Sephardic Laws and Customs
Laws and customs of major Sephardic communities as compared to those of Ashkenazic communities.

1471S 2-3 credits
Origins and history of Sephardic minhagim.

1472S; 1473S 2-3 credits
The Sephardic life cycle.

1474S; 1475S 2-3 credits
Sephardic Sabbath and Festival minhagim.

1483; 1484 3 credits
The Jewish life cycle: laws and customs of major ritual observances and ceremonies in Jewish life.

1485; 1486; 1487; 1488 3 credits
Daily life in the home and synagogue: the laws and customs of Tefillin, Kriat Hatorah Betsibbur, Berakhot Rishonot, Berakhot Aharonot.

1489; 1490; 1491; 1492 3 credits
Interpersonal relationships (such as ethics, charity, slander, revenge, usury).

1493; 1494 3 credits
Ideological issues—for intermediate-level students.

1495; 1496 3 credits
Ideological issues—for advanced students.

1497; 1498 3 credits
The Land.

1499 3 credits
The structure of the Seudah.

1501; 1502; 1503; 1504 Topics in Jewish Ethics 3 credits
For advanced students.

1507; 1508 Topics in Jewish Law 3 credits

1510 Development of Jewish Law 3 credits
One-semester survey of the material covered in 1511, 1512.

1511; 1512 Development of Jewish Law 3 credits
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.

1531; 1532; 1533; 1534 Readings in Maimonides 3 credits
Selections from the legal codes and commentaries of Maimonides; analysis of the legal methodology and philosophy of law emerging from his works. For advanced students in Jewish studies.

1561; 1562 Mishnah Berurah 3 credits
Selections from the Shulhan Arukh, with Mishnah Berurah commentary.

1571 through 1576 The Individual in Society 3 credits
Contemporary social and political problems such as ecology, poverty, welfare, and self-incrimination; emphasis on Jewish legal sources directly applicable to these issues.

1577 through 1610 Modern Jewish Problems
Analysis of halakhic problems that are currently of special interest; modern Responsa literature and its historical background. For advanced students in Jewish studies.
1577; 1578; 1579; 1580 3 credits
Survey covering several areas.

1581 Medical Ethics 3 credits
Survey.

1582; 1583 Medical Ethics 3 credits
Beginning of life issues; end-of-life issues.

1586 3 credits
Impact of technology on laws of the Sabbath and Festivals.

1591 Topics in Jewish Civil Law 3 credits
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.

1601 Intellect and Emotion 2-3 credits

1602 Ethics of Truth 2-3 credits
The status of Jerusalem in Christianity, Islam and Judaism; the status of non-observant Jews in Jewish law and tradition; the ethics of truth-telling in Jewish law and tradition.

1603 Women and Jewish Ritual 2-3 credits
Bat Mitzvah, Kaddish, Birkhat haGomel, mechitzah

1604 Amalek and Messianism 2-3 credits
Halakhah and morality in Modern times; Chrisitanity, Islam and Judaism: History, religion and contemporary significance; contemporary theological significance of the State of Israel; Messianism in Jewish tradition.

1820 through 1829 Mishnah
Text with classical and modern commentaries.

1821 Women in the Mishnah 2-3 credits

1839; 1840 Introduction to Talmud 3 credits
Introduction to Talmudic text and commentaries. For intermediate and advanced students in Jewish studies.

1841; 1842 Introduction to Talmud I; II 3 credits

1843; 1844 Intermediate Talmud 3 credits
Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology. For advanced students in Jewish studies.

1845; 1846; 1847; 1848 Advanced Talmud 3–5 credits
Selected Talmudic texts with medieval and modern commentaries; emphasis on methodology; beit midrash method of small-group study supplements lectures. For advanced students in Jewish studies.

1851; 1852; 1853; 1854 Selected Rabbinic Literature 2–3 credits
Selections from fundamental rabbinic texts of the medieval and early modern periods.

1861; 1862; 1863; 1864 Modern Rabbinic Personalities 3 credits
Leading rabbinic figures during the 19th and 20th centuries.

1871; 1872; 1873; 1874 Selections from Midrash 3 credits
Readings from aggadic literature. For advanced students in Jewish studies.

4901, 4902 Independent Study
See Academic Information and Policies section.

4930-4939 Topics in Jewish Law 3 credits

MANAGEMENT (MAN)

Students who wish to concentrate in Management can choose between the following two tracks:

I. Entrepeneurship Track:

CONCENTRATION of BUSINESS MAJOR: Sy Syms School of Business
ENT 3720, 3780, 3786, 3796, 4931, and any four Sy Syms electives.

MINOR: Sy Syms School of Business
Three upper level Entrepeneurship courses.

II. Human Resources & Organizational Studies Track:

CONCENTRATION of BUSINESS MAJOR: Sy Syms School of Business
MAN 2110, 2370, 2621, 3720, 4931, and any four Sy Syms electives.

MINOR: Sy Syms School of Business
Any three Management courses that are not cross-listed as ENT courses.

MINOR in Management: Stern College Students
MAN 1020, BUS 1001, one other Sy Syms core course; plus MAN 2370, two additional Management courses.

MAN 1020 Principles of Management 3 Credits
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. Students will gain analytical and behavioral tools that will equip them to work in complex global work environments.

MAN 2110 Organizational Behavior 3 Credits
Students develop an understanding and appreciation of the complexities of balancing organizational goals with human needs. Covers classical behavior, social systems, management science, and empirical theories of organization, as well as role theory, group dynamics, motivation, leadership, decision making, and communications.
Prerequisites: BUS 1001, MAN 1020.

MAN 2370 Human Resources 3 Credits
Exploration of human resources management as a facilitator of the effective use of personnel to achieve corporate objectives. Covers the link between human resources management and strategic planning, employee recruitment, development, and impact of equal opportunity employment programs; human resources forecasting, training programs, performance evaluation, direct and indirect compensation, and comparable worth.
Prerequisites: BUS 1001, MAN 1020.

MAN 2510 Turnaround Business Strategy 3 Credits (Cross-listed with ENT 2510)
A turnaround situation refers to those companies whose financial performance indicates that the company will fail in the foreseeable future unless short-term corrective action is taken. Addresses key ingredients that characterize a successful turnaround, and describes what turnaround practitioners need to do to rescue a distressed company. Course content includes crisis stabilization, stakeholder management, strategic focus and more. Added focus will be on the Organizational Behavior side of the firm - the people issues the organization faces. Additionally it will describe how leadership is provided by turnaround practitioners throughout the turnaround process.
Prerequisites: BUS 1001, MAN 1020, IDS 1131.

MAN 2550 Business Intelligence and Consumers Insights 3 Credits (Cross-listed with ENT/MAR/IDS 2550)
Data mining is a powerful new technology with great potential to help companies focus on the most important information in the data they have collected about the behavior of their customers and potential customers. It discovers information within the data that queries and reports can't effectively reveal. This course explains what data mining is, how it can be used, and how it can help a company leapfrog its competition. Internet based applications such as social media, website usage, tracking and online reviews as well as a firm’s own activities and business processes, are discussed as potential sources of data.
Prerequisite: MAR 1001, IDS 1020, IDS 1131.

MAN 2621 Applied Marketing Management Research 3 Credits (Cross-listed with ENT/MAR 2621)
Provides students with both research and managerial perspectives in the development and application of marketing research tools and procedures. It describes the development of research designs from problem formulation to analysis and submission of the research report. It also covers the analysis of techniques in marketing research, such as focus groups, experimental design, surveys, sampling, statistical analysis, and reporting. Cases are utilized in the development of methods and in specific areas of application. SPSS or an equivalent statistical software is used.
Prerequisites: MAR 1001 (or MAN 1020), IDS 1131.

MAN 2711 Venture Capital, Financing & Investments 3 Credits (Cross listed with FIN 2711)
Past, current and future state of venture capital. Presents the fundamentals of entrepreneurship while maintaining a strong emphasis on the current state of affairs. Active participation by guest speakers who are prosperous entrepreneurs. Students gain information not found in any textbook to apply to the successful operation of their own businesses.
Prerequisites: FIN 1001, IDS 1131.

MAN 2941 Sports Marketing Management 3 Credits (Cross listed with ENT/MAR 2941)
Provides an overview of sports marketing as a component of a fully integrated marketing communication strategy. Students study the history and contemporary application of sports marketing as a method to achieve goals. The curriculum addresses corporate as well as sporting
property use of sports marketing strategies to achieve business objectives. The course examines strategies that address critical business constituencies, consumers, trade factors, employees, and the financial community. Also covered are sports marketing within the context of special sporting event sponsorships, professional sports teams as well as governing organizations, sports media (broadcast, print, and Internet), licensing, and hospitality.
Prerequisite: MAR 1001.

MAN 2943 Principles of Real Estate 3 Credits (Cross-listed with REA 2943)
Provides an overview of the field of real estate and prepares the student for the New York State Real Estate Salesperson examination. Topics include license law and regulations, law of agency, real estate instruments, estates and interests, real estate financing, land use regulations, introduction to construction, appraisal, human rights, fair housing, real estate mathematics, and environmental issues.
Prerequisites: BUS 1001, MAN 1020, FIN 1001, IDS 1131.

MAN 3015 Leadership in the 21st Century 3 Credits
Develops leadership competencies and goals. Theories and concepts of leadership and their application in practice are explored. Attention is given to identifying personal leadership styles and skills, and learning how to adapt and use them. Topics include

behaviors of effective leaders, the use of vision, power and influence strategies, dealing with multiple stakeholders, organizational politics, and ethics.
Prerequisites: BUS 1001, MAN 1020.

MAN 3315 Social Entrepreneurship 3 Credits (Cross-listed with ENT/MAR 3315)
Social entrepreneurship is a business field in which business and nonprofit leaders design, grow, and lead mission-driven enterprises. . Elements of: social science, business, law, management theory, knowledge from practice, and features of private and public entities will be discussed. Hybrid business models that serve both social needs and financial needs, and new tools for measuring social impact and change will be covered.
Prerequisite: MAR 1001, MAN 1020.

MAN 3318 Social Media Marketing 3 Credits (Cross-listed with ENT/MAR 3318)
Discusses the development of a social media strategy and defines what social media is. Social media tools such as Twitter, LinkedIn, Facebook, YouTube, Yelp, Google, etc. are explored and their application and usability in business are examined. The course discusses the process of developing a marketing plan using social media and also presents measurement techniques for the effectiveness of social media and their ROI using a number of metrics.
Prerequisite: MAR 1001.

MAN 3323 Creative Advertising 3 Credits (Cross-listed with ENT/MAR 3323)
Explores the relationships between advertising, conceptual thinking, writing, teamwork and design. It utilizes all media including television, print, radio, posters, viral, digital, guerrilla and ambient. Focuses on generating engaging and effective communication and provides a glimpse into a career in advertising and its associated areas.
Prerequisites: MAR 1001, MAR 3313.

MAN/ENT 3500 Fashion Fundamentals 3 Credits (Cross-listed with ENT/MAR 3500)
Introduces the terminology and principles necessary to be successful in the fashion business through a dynamic lecture and workshop-based format. Students study fashion classifications, garment detail and construction, sources of fashion information, and the modern history of fashion. Students will learn the scope and global nature of the fashion business through the use of industry research, case studies and hands-on projects.

MAN/ENT 3501 Israeli Business Environment 3 Credits (Cross listed with ENT 3501)
Introduction to high tech, venture capital in Israel; overview of the Israeli economy, its accounting, business and tax laws, entrepreneurial environment, cultural issues; investing in Israeli start-ups; leading corporations in Israel; job market in Israel.
Prerequisites: BUS 1001, MAN 1020, MAR 1001.

MAN 3601 International Business 3 Credits
The environment of international business. Problems, policies, and operations of multinational corporations, with a focus on global logistics and production planning, alternative forms of ownership, and methods of control.

Prerequisites: BUS 1001, MAN 1020, MAR 1001.

MAN 3605 Cross Cultural Aspects of International Business 3 Credits
Provides students with an understanding of the process of cross-cultural management and the challenges that they face while working internationally. Effective training and exposure to cultural differences around the world can help people learn to successfully manage the ever culturally diversified workforce domestically and overseas.
Prerequisites: BUS 1001, MAN 1020, MAR 1001.

MAN 3710 Management of Non-Profit Enterprises 3 Credits
Examines the leadership issues unique to nonprofit organizations from the perspective of the volunteer board of directors, the chief executive officer, and his or her staff. Nonprofit institutions are growing rapidly. They include educational, research, health care, art, cultural, religious, social and welfare services, advocacy, legal services, international assistance, foundations, and mutual benefit professional and trade associations. The course explores the leadership skills, organizational attributes, accountability, and ethical demands of the nonprofit sector.
Prerequisites: BUS 1001, MAN 1020.

MAN 3720 Business Strategy 3 Credits
Capstone course required and management majors: integrates SSSB courses; defines and analyzes the formulation and implementation of corporate objectives and strategies; uses cases and/or computer simulations to develop policy skills.
Prerequisites: BUS 1001, MAN 1020, MAR 1001, IDS 1131 and upper-class status at Sy Syms.

MAN/ENT 3780 Principles of Entrepreneurship 3 Credits (Cross-listed with ENT 3780)
New venture initiation and development; the practical approach to developing and implementing procedures and techniques for starting an enterprise. Class discussions based on readings and case studies.
Prerequisites: MAN 1020, MAR 1001, IDS 1131, FIN 1001.

MAN/ENT 3790 Managing a Growing Business 3 Credits (Cross-listed with ENT 3790)
Students will learn how to manage and enhance an existing growth business organization, while addressing topics such as: accounting, supply chain management, marketing, management & general business issues. This course provides the unique opportunity to work on real business problems and be part of a consulting team. At the end of the course, students should be able to develop a business plan and provide specific solutions to the business client. Students will hone their business leadership and technical proficiency via interactive lectures, operations exam and analysis, and critical thinking leading to recommendations, reports and presentations.
Prerequisites: MAR 1001, MAN 1001, IDS 1001, ACC 1001.

MAN/ENT 3796 Franchising, Licensing, and Distributorships 3 Credits (Cross-listed with ENT/MAR 3796)
Essential elements of franchising from the viewpoint of both franchiser and franchisee. Explores franchising opportunities and their planning and implementation. Discussion of licensing and distributorship as viable business ventures.
Prerequisites: BUS 1001, MAN 1020, MAR 1001.

MAN 4001 Principles of Success 3 Credits (Cross-listed with ENT 4001)
We all have different interests and goals in life. However we all share the desire to succeed in what we set ourselves to accomplish. Regardless of the path we choose to accomplish our goals, spirituality in one's pursuit of life success always plays a role. By developing critical thinking and decision making skills students learn how to make a decision in a systematic way; develop effective written and oral communication skills; and understand how to achieve success in multiple areas of life, even if such areas appear mutually exclusive.

MAN 4931 Seminar: Contemporary Problems in Business 3 Credits (Cross-listed with ENT 4931)
Today's business environment requires imaginative leadership to deal with the turbulent global marketplace. Top executives from leading multinational corporations present a general overview and discuss the corporate culture of their organizations, outline the competitive climate in their industries, and share their views of the ingredients needed to survive in today's rapidly changing economic environments. Prerequisite: Upper-class status or permission of Sy Syms Dean.

MARKETING (MAR)

CONCENTRATION of BUSINESS MAJOR: Sy Syms School of Business
MAR 2501, 2621, 3313, 3341, 3720, and any four Sy Syms business electives.

MINOR: For Sy Syms School of Business students
Any three upper level Marketing electives.

MINOR: For Stern College Students
MAR 1001, BUS 1001, one non-Marketing Sy Syms core course, MAR 3341, two additional Marketing courses.

MAR 1001 Principles of Marketing
An introduction to the basic concepts of market definition, consumer behavior, and the principal marketing functions: product line development, pricing, distribution, promotion, sales-force management, advertising, research, and planning. Cases and examples are utilized to develop problem-solving abilities and provide students with a glimpse into the Marketing world.

MAR 2501 Buyer Behavior
Presents a comprehensive, systematic, and practical conceptual framework for understanding people as consumers—the basic subject matter of all marketing. It draws on the social sciences to evaluate the influence of both individual and ecological factors on market actions. Students discuss relevant psychological and sociological theories and study how they can be used to predict consumers' reactions to strategic marketing decisions. Cases and examples are utilized to enhance the understanding of consumers as social beings in the market place.
Prerequisite: MAR 1001.

MAR 2550 Business Intelligence and Consumers Insights (Cross-listed with ENT/MAN/IDS 2550)
Data mining is a powerful new technology with great potential to help companies focus on the most important information in the data they have collected about the behavior of their customers and potential customers. It discovers information within the data that queries and reports can't effectively reveal. This course explains what data mining is, how it can be used, and how it can help a company leapfrog its competition. Internet based applications such as social media, website usage, tracking and online reviews as well as a firm’s own activities and business processes, are discussed as potential sources of data.
Prerequisites: MAR 1001, IDS 1020, IDS 1131.

MAR 2255 E-Commerce (Cross-listed with IDS 2255)
This course provides an understanding of e-commerce and its impact on firms, industries and markets. In a few short years, the Web has already had a large impact on how we shop, read, conduct business, learn, and consume information like music and art. The fundamental architecture of information processing within the firm is changing as new Internet technologies appear. Internet technologies are also having a broad impact on the management of firms. How well firms are able to master these new technologies and business models is having an important impact on their overall success. This course describes the technologies used in electronic commerce; discusses the resulting changes in organization structure, industry, and societal behavior and seeks to understand the forces that bring about these changes.
Prerequisites: IDS 1020, MAR 1001, MAN 1001.

MAR 2621 Applied Marketing/Management Research (Cross-listed with ENT/MAN 2621)
Provides students with both research and managerial perspectives in the development and application of marketing research tools and procedures. It describes the development of research designs from problem formulation to analysis and submission of the research report. It also covers the analysis of techniques in marketing research, such as focus groups, experimental design, surveys, sampling, statistical analysis, and reporting. Cases are utilized in the development of methods and in specific areas of application. SPSS or an equivalent statistical software is used.
Prerequisites: MAR 1001 (or MAN 1020), IDS 1131.

MAR 2941 Sports Marketing Management (Cross-listed with ENT/MAN 2941)
Provides an overview of sports marketing as a component of a fully integrated marketing communication strategy. Students study the history and contemporary application of sports marketing as a method to achieve goals. The curriculum addresses corporate as well as sporting property use of sports marketing strategies to achieve business objectives. The course examines strategies that address critical business constituencies, consumers, trade factors, employees, and the financial community. Also covered are sports marketing within the context of special sporting event sponsorships, professional sports teams as well as governing organizations, sports media (broadcast, print, and Internet), licensing, and hospitality.
Prerequisite: MAR 1001.

MAR 3313 Advertising Management
Provides students with a comprehensive framework and tools to understand the advertising process and to appreciate managerial and theoretical perspectives in advertising. It tackles the stages in developing an advertising plan- from analyzing the situation and defining clear advertising objectives to execution. Coursework involves a comprehensive group project that utilizes learning in all functional areas of advertising, while simulating the development of an advertising campaign.
Prerequisite: MAR 1001.

MAR 3315 Social Entrepreneurship (Cross-listed with ENT/MAN 3315)
Social entrepreneurship is a business field in which business and nonprofit leaders design, grow, and lead mission-driven enterprises. Elements of: social science, business, law, management theory, knowledge from practice, and features of private and public entities will be discussed. Hybrid business models that serve both social needs and financial needs, and new tools for measuring social impact and change will be covered.
Prerequisites: MAR 1001, MAN 1020.

MAR 3318 Social Media Marketing (Cross-listed with ENT/MAN 3318)
Discusses the development of a social media strategy and defines what social media is. Social media tools such as Twitter, LinkedIn, Facebook, YouTube, Yelp, Google, etc. are explored and their application and usability in business are examined. The course discusses the process of developing a marketing plan using social media and also presents measurement techniques for the effectiveness of social media and their ROI using a number of metrics.
Prerequisite: MAR 1001.

MAR 3321 Brand Management
Focuses on the development of brand and marketing strategy, and the programming of the strategy and implementation of the marketing programs. It draws on the social sciences to evaluate the influence of both individual and ecological factors on market actions and brand decisions. The unifying framework for these activities is the brand audit. Thus, the course simulates the brand manager’s job through the development and implementation of a companywide brand audit.
Prerequisite: MAR 1001.

MAR 3323 Creative Advertising (Cross-listed with ENT/MAN 3323)
Explores the relationships between advertising, conceptual thinking, writing, teamwork and design. It utilizes all media including television, print, radio, posters, viral, digital, guerrilla and ambient. Focuses on generating engaging and effective communication and provides a glimpse into a career in advertising and its associated areas.
Prerequisites: MAR 1001, MAR 3313.

MAR 3341 International Marketing
Examines specific issues involved in entering international markets and conducting marketing operations on an international scale. Attention is focused on problems, such as identifying and evaluating opportunities worldwide, developing and adapting market strategies in relation to specific national market needs and constraints, and in devising and coordinating global marketing strategies. Emphasis is placed on strategic issues relating to international operations rather than on technical aspects of exporting and importing.
Prerequisite: MAR 1001.

MAR 3500 Fashion Fundamentals (Cross-listed with ENT/MAN 3500)
Introduces the terminology and principles necessary to be successful in the fashion business through a dynamic lecture and workshop-based format. Students study fashion classifications, garment detail and construction, sources of fashion information, and the modern history of fashion. Students will learn the scope and global nature of the fashion business through the use of industry research, case studies and hands-on projects.

MAR 3720 Marketing Capstone
The course is designed to develop a student's ability to apply marketing skills to practical business situations through a marketing simulation, case analyses, and discussion. Upon completion of this capstone course, students will have developed better decision-making and communication skills. Prerequisite: upper-class status at Sy Syms School of Business.

MAR 3790 Managing a Growing Business (Cross-listed with ACC/ENT/MAN 3790)
Students will learn how to manage and enhance an existing growth business organization, while addressing topics such as: accounting, supply chain management, marketing, management & general business issues. This course provides the unique opportunity to work on real business problems and be part of a consulting team. At the end of the course, students should be able to develop a business plan and provide specific solutions to the business client. Students will hone their business leadership and technical proficiency via interactive lectures, operations exam and analysis, and critical thinking leading to recommendations, reports and presentations.
Prerequisite: MAR 1001, MAN 1020, IDS 1020, ACC 1001, FIN 1001.

MAR 3796 Franchising, Licensing, Distributorships (Cross-listed with ENT/MAN 3796)
Essential elements of franchising from the viewpoint of both franchiser and franchisee. Explore the franchising opportunities and their planning and implementation. Discussion of licensing and distributorship as viable business ventures.

Prerequisites: MAR 1001, MAN 1020.

MATHEMATICAL SCIENCES (Computer Sciences; Mathematics)

COMPUTER SCIENCES (COMP)

MINOR: Stern College for Women
COMP 1300C, 1320C, 1504, and one additional elective in Computer Science; MATH 1412, 1413. With permission of the department, a suitable elective in mathematics may be substituted for the elective in computer science.

1300C Introduction to Computer Science and Programming 4 credits
Components of a computer system; machine, assembly, and high-level languages; the JAVA programming language; numerical systems and coding; representation of data and instructions; data types, constants, variables; arithmetic expressions; logical expressions; assignment statement; sequencing, alteration, and iteration; arrays, subprograms, and parameters; simple I/O; techniques of problem solving; flowcharting; stepwise refinement; simple numerical examples; basic search and sort algorithms. Principles of good programming style, expression, and documentation; control flow; invariant relation of a loop; stepwise refinement of statements and data structures, or top-down programming. (lecture: 3 hours; lab: 2 hours)

1320C Introduction to Data Structures 4 credits
String processing, concatenation, substrings, matching, internal searching and sorting, recursion, linked lists and linear allocation (stacks, queues, deques). Elementary data structures, file structures and algorithms, searching and sorting, trees and algorithms for their manipulation, notions of algorithm complexity, memory and data management systems. (lecture: 3 hours; lab: 2 hours)
Prerequisite: COMP 1300C.

1504 Discrete Structures 3 credits
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: three years of high school mathematics.

1621 Theory of Computation 3 credits
Deterministic and nondeterministic finite state automata; regular grammars and regular expressions; languages generated by regular expressions; equivalence of regular expressions and finite automata; solvable problems concerning finite automata; context-free grammars; languages generated by context-free grammars; derivation trees; simplification of context-free grammars; pushdown automata; properties of context-free languages; solvable and unsolvable problems concerning context-free languages; Turing machine model; Universal Turing machine; Halting problem; further examples of solvable and unsolvable problems about Turing machines, grammars, and sets.
Prerequisite: COMP 1504.

2113C Computer Organization and Assembly Language Programming 4 credits
Basic logic functions. Synthesis of more complex combinational circuits. Electronic implementation of these functions. Simple synchronous circuits. Major components of a computer. Machine and assembly language instruction set. Implementation of the instruction set electronic circuits. Circuits needed to perform arithmetic operations. Memory and I/O implementation. (lecture: 3 hours; lab: 2 hours)
Prerequisite: COMP 1300C.

2314C Applied Linux Programming and Scripting 4 credits
Introduces Linux, with a focus on the operating system features that are accessible from the command line and programming or scripting languages such as Python or Awk. Topics will include software development in a Linux environment, pipes, redirection, process management, and shell programming.
Prerequisite: COMP 1300C.

2512 Networking and Communication 3 credits
Fundamentals of networking and communications: network concepts, hardware, software, and programming. Data communications; wide and local area networks; communications architecture and protocols. Network programming in C/C++ and Java. Advanced elective.
Prerequisite: COMP 2545.

2545 Algorithms 3 credits
Advanced data structures and algorithms: tables, AVL and red-black trees, B and B+ trees, heaps, disjoint sets. Graph algorithms: minimum spanning trees, shortest path, and maximum flow algorithms. Selected algorithms in parallel computers, string matching, and computational geometry. (lecture: 3 hours; lab: 2 hours)
Prerequisites: COMP 1320C, 1504, MATH 1412.

3563 Database Systems 3 credits
Goals of DBMS, including data independence, relationships, logical and physical organization, schema and subschema; hierarchical, network, and relational modes; examples of implementation of various models; first, second, and third normal forms of data relations; canonical schema; data independence; data description languages: forms, applications, examples, design strategies; query facilities: relational algebra, calculus, data structures for establishing relations; query functions; file organization; index organization; file security; data integrity and reliability.
Overview of Internet and World Wide Web information storage and retrieval systems, languages and methods. Advanced elective.
Prerequisite: COMP 2545.

3610 Operating Systems 3 credits
Review of instruction sets. I/O and interrupts, addressing schemes, microprogramming; dynamic procedure activation; dynamic storage allocation; design methodology, monitors, kernels, networks of operating system modules; elementary queuing; memory management: virtual memory, paging, segmentation; memory protection;

multiprogramming. Operating system concerns for internet and intranet operations, distributed computing, and the handling of critical security issues.
Prerequisites: COMP 1320C, 2113C.

3640 Programming Languages 3 credits
Formal language concepts, including basic characteristics of syntax and grammars; regular, context-free, and ambiguous grammars; constructs for specifying and manipulating data types; language features affecting static and dynamic storage management; control structures and data flow; subroutines, procedures, block structures, interrupts, decision tables, recursion; relationship with good programming style; runtime considerations; interpretative languages, lexical analysis and parsing.
Prerequisites: COMP 1320C.

3760 Artificial Intelligence 3 credits
Heuristic versus algorithmic methods, cognitive processes, investigation of methods of making machines behave intelligently, problem solving, theorem probing, game playing, pattern recognition, question answering, learning self-organization, methods of programming such procedures, data structures and program organization; the mind-brain problem; the nature of intelligence. Advanced elective.
Prerequisite: COMP 2545.

3772 Computer Graphics 3 credits
Software, hardware, and mathematical tools for the representation, manipulation, and display of topological and two and three-dimensional objects; display devices; problems and objectives of computer graphics; point, vector, curve, and character generation; interactive versus passive graphics; graphics data structures, graphics packages and graphics languages; two-dimensional graphics: generation, transformation, window clipping, segmented display files and display procedures; interactive graphics: input devices, input techniques, event handling, and input functions; raster graphics fundamentals; three-dimensional graphics: hidden-line problems, windowing, transformations, perspective projections, and shading. Advanced elective.
Prerequisites: COMP 2545, MATH 1412, MATH 2105.

3780 Web Programming and Development 3 credits
The world-wide web was originally a vehicle for delivering documents. It still does this, but its most demanding current uses are as a platform for sophisticated interactive applications, replacing traditional mechanisms for distributing and installing software. Creating web applications requires different approaches from traditional applications and involves the integration of numerous technologies. This course introduces web technologies and gives the student experience creating web applications. In the process, students learn about markup languages, scripting, network protocols, interactive graphics, event-driven programming, and databases. Students also explore the way web applications can be exploited by malicious hackers, and the defensive strategies to keep hackers at bay.
Prerequisite: COMP 1300.

4500 Topics: Computational Methods in Scientific Research 3 credits
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: MATH 1413. Recommended PHYS 1032C or 1042C.

4512 Advanced Java Programming 3 credits
Review of Java Standard Edition: classes, interfaces, event handling, GUI, applets, strings, streams and files. Multithreading, advanced GUI, advanced data structures, network programming, JavaBeans. Introduction to Java Enterprise Edition: servlets and JSP. Design Patterns: Model-View-Controller, Value Object, Data Access, Business Delegate, Front Controller. Security. Advanced elective.
Prerequisites: COMP 2545, 3640.

4541 Numerical Analysis 3 credits
Finite difference calculus; numerical solution of differential equations and linear systems of equations; iterative methods; computation of eigenvalues and eigenvectors. Advanced elective.
Prerequisite: MATH 1413

4901, 4902 Independent Study
See Academic Information and Policies section.

4930 Topics

MATHEMATICS (MATH)

MAJOR: Stern College for Women
MATH 1412, 1413, 1510, 2105; two courses chosen from 1520, 1521, 1523, 1540; four additional mathematics courses numbered 1500 or higher and/or computer science courses; three correlate courses chosen from the offerings in physics, computer science and economics. (PHYS 1041C, 1042C and COMP 1300C are strongly recommended). Students interested in actuarial mathematics are advised to take MATH 2461, and 2462 For such students, ECON 1031, 1041 are recommended correlates.

MINOR: Stern College for Women
MATH 1412, 1413, 1510, 2105, and 6 additional MATH credits numbered 1500 or higher.
A mathematics placement examination is required of all students planning to take Math. Students must take this test before registering for MATH 1160 or 1412.

1010 Excursions in Mathematics 3 credits
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.

1020 Introduction to Finite Mathematics 3 credits
Elements of probability, methods of counting, and combinatorics; linear equations and inequalities; analytic geometry of lines and planes; vectors and matrices; applications to social and management sciences.
Prerequisite: two years of high school mathematics.

1160 Introduction to Elementary Functions 4 credits
Number systems, functions, equations, and inequalities; algebra of polynomials, exponentials, and logarithms; analytic geometry of lines and circles; vectors, trigonometry, and complex numbers. (lecture: 3 hours; recitation: 2 hours).
Prerequisites: two years of high school mathematics and placement by examination.

1412, 1413 Calculus I, II 4 credits
First semester: limits, derivatives, and integrals; continuous and differentiable functions, mean value theorem, chain rule, implicit differentiation. Applications: curve sketching, maxima and minima, related rates, motion, area. Trigonometric, inverse trigonometric, logarithmic and exponential functions. Second semester: methods of integration, area, moments, volume. Indeterminate forms, improper integrals, sequences and series. Parametric equations, arc length and polar coordinates. (lecture: 3 hours; recitation: 2 hours).
Prerequisites: three years of high school mathematics and placement by examination or MATH 1160.

1504 Discrete Structures 4 credits
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. (lecture: 3 hours; recitation: 2 hours)
Prerequisite: three years of high school mathematics.

1510 Multivariable Calculus 4 credits
Limits and continuity in Euclidean spaces; partial derivatives, gradient, and chain rule; maxima and minima with constraints; multiple integrals, cylindrical and spherical coordinates; vector calculus; theorems of Green, Gauss, and Stokes.
Prerequisite: MATH 1413.

1520, 1521 Advanced Calculus I, II 3 credits
Real numbers; theorems on limits; continuous, differentiable, and integrable functions; sequences and series of functions; metric space methods, fixed points, existence theorems for differential equations; implicit function theorem.
Prerequisites: MATH 1413 and permission of the instructor.

1523 Introduction to Analysis 3 credits
Familiarizes students with analytic tools and ideas that are of practical significance for a variety of applications along with an awareness of the foundations, interrelations, and limitations of those methods.
Prerequisites: MATH 1510, 2105.

1540, 1541 Functions of a Complex Variable I, II 3 credits
Analytic functions, CauchyRiemann equations, Cauchy integral formula, residue theory, conformal mappings.
Prerequisite: MATH 1520 or permission of the instructor.

2105 Linear Algebra 3 credits
Systems of linear equations, Gaussian elimination, matrices, matrix algebra; vector spaces, linear transformations, similarity; inner product spaces; determinants; eigenvalues and eigenvectors, diagonalization; quadratic forms; canonical forms; spectral theory; applications.
Prerequisite: MATH 1412.

2168 Elementary Number Theory 3 credits
Properties of integers, Euclidean algorithm, unique factorization, arithmetic functions, perfect numbers, linear and quadratic congruences, public-key encryption.

2215, 2216 Modern Algebra I, II 3 credits
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. The second semester will be devoted to advanced topics, including recent developments.
Prerequisite: MATH 2105 or permission of the instructor.

2461 Probability Theory 3 credits
Discrete and continuous sample spaces; combinatorial analysis; density and distribution functions of random variables; expectation and variance; independence and conditional probability; law of large numbers; central limit theorem; generating functions; random walk and ruin problems.
Prerequisite: MATH 1510.

2462 Mathematical Statistics 3 credits
Application of probability theory to the classical parametric models: moment-generating functions, chisquare 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: MATH 2461.

2601 Differential Equations 3 credits
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: MATH 1413.

2611 Partial Differential Equations 3 credits
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 tansforms,
Prerequisites: MATH 1510, 2601**.**

2651 Numerical Analysis 3 credits
Finite difference calculus; numerical solution of differential equations and linear systems of equations; iterative methods; computation of eigenvalues and eigenvectors. Advanced elective.
Prerequisite: MATH 1413.

2901 Mathematics of Finance 3 credits
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: familiarity with differential equations.

3301, 3302, 3303, 3304 Topics in Modern Mathematics 3 credits.
Selected subjects in analysis, algebra, geometry, actuarial, and applied mathematics. Students may register for up to four semesters with permission of the Department Chair.
Prerequisites: junior status and permission of the instructor.

MUSIC (MUSI)

MAJOR: Stern College for Women
Thirty-two credits including MUSI 1111, 1350, 1351, 2105, 2111, 2111L, 2112, 2112L, 2120. The remaining ten credits must include participation in a chamber ensemble and/or the chorus. Choral Ensemble, Chamber Ensemble and Applied Musical Studies are graded on an A/P/N basis.

MINOR: Stern College for Women
Twenty credits including MUSI 1111, 2105, 2111, 2111L, 2112, 2112L. The remaining seven credits must include at least one history course and participation in a chamber ensemble and/or the chorus.

1111 The Sense of Music 3 credits
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.

1341 Music of the Middle Ages and the Renaissance 3 credits
Evolution of the forms and practices of Western music during the medieval and Renaissance eras; the development of forms and practices during the Baroque era,

emphasizing the works of Machaut, Dufay, Josquin, Ockeghem, and Monteverdi.
Prerequisite: MUSI 1111.

1350 Music in the Baroque and Classical Eras 3 credits
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: MUSI 1111.

1351 Music in the Romantic and Modern Eras 3 credits
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 20thcentury music; Western music from Schubert to Babbitt.
Prerequisite: MUSI 1111.

1381 History of Jazz, Blues, and American Pop Music 3 credits
African, AfroAmerican and EuroAmerican musical genres in the 19th century after emancipation; the mutual cross-cultural assimilation of these genres that synthesized into new, uniquely North American popular and then art music in the 20th century. Jazz styles considered in depth include traditional (early jazz), swing, bebop, and modal and free jazz, emphasizing recordings of influential, innovative performers of each era.
Prerequisite: MUSI 1111 or permission of the instructor.

1390 Early Modern and Modern Theories of Music 3 credits
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: MUSI 2111.

1661 Survey of Operatic Literature 3 credits
A brief overview of the history of opera, with a focus on various aspects that this genre raises. Topics may include the relative role of words versus music, plots that are appropriate for dramatic treatment, the means by which character is created through music, and political subtexts of certain works.
Prerequisite: MUSI 1111 or permission of the instructor.

2105 Music Fundamentals 2 credits
An introduction to music notation and the piano keyboard. Designed to give beginners a basic level of skill in sight reading. Peparatory course for further study in applied music theory, ear-training and harmony.

2111, 2112 Diatonic Harmony and Counterpoint I, II 3 credits
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: MUSI 2105. Corequisites: 2111L, 2112L.

2111L, 2112L Elementary Ear Training and Keyboard Skills I, II 1 credit
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.
Corequisite: MUSI 2111, 2112.

2113, 2114 Chromatic Harmony I, II 3 credits
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: MUSI 2112.

2113L Intermediate Ear Training 1 credit
Corequisite: MUSI 2113

2120, 2121 Introduction to Composition I, II 3 credits
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: MUSI 2112 or permission of the instructor.

3301; 3302; 3303; 3304 Choral Ensemble 1 credit
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.

3461 through 3484 Instrumental Music Ensembles 1-2 credits
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.
Prerequisites: Ability to play a musical instrument or sing, ability to read music, and permission of the instructor.

4001 Introduction to Music Pedagogy 2-3 credits
A survey of intermediate piano repertory and other printed and internet resources; basic vocal production and conducting, learning theory, teaching methods, organizational and

communication skills. Designed to prepare students for future work with private pupils, ensembles and general music classes.
Prerequisite: Ability to play an instrument and ability to read music, or permission of instructor.

4111; 4112; 4113; 4114 Applied Musical Studies 1-2 credits
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 $225 per semester on an individual basis, dependent on extent and nature of services provided.
Prerequisite: permission of the senior professor.

4930 Selected Topics in Music 3 credits

OCCUPATIONAL THERAPY

Stern College for Women offers a B.A./M.S. combined program in occupational therapy in conjunction with Columbia University's College of Physicians and Surgeons. Three years of study at Stern College are followed by two years at Columbia University. The five-year program leads to a B.A. degree from Stern College and a master's degree from Columbia University. Yeshiva University confers the B.A. degree upon the successful completion of the fourth year of study, and Columbia University confers the master's degree upon completion of the entire program.
Pre-professional segment: The pre-professional segment of the program provides a thorough foundation in the humanities and social sciences, intensive Jewish studies, and the opportunity for in-depth study in the sciences to prepare the student for the professional component.

Required Courses
General Education Requirements: Modes of Expression: ENGL 1100, SPEE 1010; Foundations of History, Philosophy and Social Science: PSYC 1010, SOCI 1001; Interpreting Literature and the Arts: 9 credits; Contemporary US and Global Perspectives: 6 credits; Science and Technology: BIOL 1011C, 1012C; Quantitative Skills: STAT 1021; and 12 credits of electives including PSYC 2414.
Jewish studies: Four semesters of Core (a unit of three courses in Jewish studies at Stern College for Women, comprising 8-9 hours of class time per week.) plus 14 additional Jewish Studies credits. Courses are chosen from among Bible, Hebrew language, Jewish philosophy, Jewish history, and Judaic studies.

MAJOR
Students meet with an Academic Advisor to discuss a "Shaped Major" that includes courses in biology, anatomy, physiology, and psychology.
Additional details are on the "Combined Program in Occupational Therapy Fact Sheet" available online and in the Office of Academic Advisement.

PHILOSOPHY (PHIL)

MAJOR: Stern College for Women
Thirty credits, at least 24 in PHIL courses. The remaining 6 may be in Jewish philosophy (JPHI) courses (in excess of the Jewish studies requirement) chosen with the written approval of the senior professor. No more than two courses that are offered by other departments but are cross-listed with philosophy may be counted toward the philosophy major.

MINOR: Stern College for Women
Fifteen credits, at least 12 in PHIL courses. The remaining 3 may be in Jewish philosophy (JPHI) courses (in excess of the Jewish studies requirement) chosen with the written approval of the senior professor. Courses in Jewish philosophy are listed under JPHI. No more than one course that is offered by another department but is cross-listed with philosophy may be counted toward the philosophy minor.

1010 Great Ideas of Philosophy 3 credits
Introduction to philosophic thought, with emphasis on ethics, political philosophy, theory of knowledge, and metaphysics.

1100 Logic 3 credits
Methods and principles used in distinguishing correct from incorrect reasoning; traditional deductive logic and symbolic logic.

1120 Advanced Logic 3 credits
Continuation of PHIL 1100. Identity and the logic of relations, then on to metalogic: axiomatic systems, set theory, completeness, and consistency.
Prerequisites: PHIL 1100 and a math course, or permission of the instructor.

1220 Philosophy of Language 3 credits
Theories of meaning; the relation of meaning to reference; Quine's skepticism about translation; Kripke's views on necessary truth; Grice's theory of nested intentions; Chomsky on innate ideas and universal grammar.

1320 Theories of the Mind 3 credits
Examination of rival conceptions of mind and self, and of differing explanatory models for human behavior.

1360 Theory of Knowledge 3 credits
Concepts of sense perception, memory, knowledge, and belief; principle of verifiability and problems of induction.

1400 Philosophy of Science 3 credits
Fundamental conceptions of the empirical and mathematical sciences, such as explanation, law, theory, space, determinism, and reduction.

1425 Philosophy and New Technologies 3 credits
Philosophical issues—among them, ethics, property rights, and personal identity—raised by biological advances such as cloning, stem cell research, and IVF; digitization of media; and the possibility of uploading memories and extending human capabilities.

1550 Metaphysics 3 credits
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.

1600 Ethics 3 credits
The problems of relativism and subjectivism; utilitarian versus deontological approaches to moral concepts; contemporary moral dilemmas.

1710 Religion and Philosophy 3 credits
Examination of differing conceptions of the role of reason in the religious life and of major philosophic arguments that focus on religious beliefs.

2170 Ancient and Medieval Philosophy. 3 credits.
From the pre-Socratics to Thomas Aquinas, with emphasis on Plato, Aristotle, Augustine, and Aquinas.

2420 Modern Philosophy 3 credits
Continental rationalism and British empiricism, from Descartes to Kant.

2532 Philosophy of Art 3 credits
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 philosophers, from Plato through Kant to Dewey and Wollheim. 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.

2560 Philosophy in the 19th and 20th Centuries 3 credits
The chief contributions of Hegel, Schopenhauer, Nietzsche, Husserl, Dewey, Russell, and Ayer.

2650 Phenomenology and Existentialism 3 credits
Critical examination of these two related movements, with special attention to the works of Husserl, Heidegger, and Sartre.

2740 Science and Religion 3 credits
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..

3100 Theories of Justice 3 credits
Examines the concept of justice and its relation to government from ancient to contemporary times. Principal thinkers discussed are Plato, Aristotle, Hobbes, Locke, Hume, Rawls, and Nozick.

3200 Classical Political Philosophy 3 credits
Theories of great political philosophers from Plato to Hegel; analysis of various interpretations of history, the nature of man, justice, liberty, and authority. Not open to students who have taken POLI 2405.

3300 Just and Unjust Wars 3 credits
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.

3402 Philosophy of Law 3 credits
The nature and scope of law; arguments for obeying law; civil disobedience; law and morality; constitutional interpretation; ; and the justification of particular legal practices, such as punishment and paternalism.

3500 Medical Ethics 3 credits
Discussion of ten of the main issues in the chronological order in which they appeared in the public arena, 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.

3620 Environmental Ethics 3 credits
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.

4925; 4926; 4927; 4928; 4929; 4930 Selected Topics 3 credits
Special topics, issues, and movements in philosophy.
Prerequisites: one semester of PHIL and permission of the instructor.

4931, 4932 Seminar 3 credits
Intensive analysis of a philosopher, a philosophic concept, or a philosophic movement.
Prerequisites: one semester of PHIL and permission of the instructor.

PHYSICAL EDUCATION AND ATHLETICS (PEDU)

The Department of Physical Education and Athletics offers credit-bearing courses, intercollegiate athletics, intramural athletics, and recreational opportunities. Undergraduates are invited to participate in scheduled activities and/or in open

recreation. All courses consist of theoretical and practical instruction in the skills, rules, strategies, and appreciation of the particular sport or activity.
Each participant on a varsity team is eligible for 1 credit. All courses are graded on an A/P/N basis.
Participation on teams requires medical certification

1324 Team Volleyball

1346 Team Tennis

1424 Team Basketball

1511 Team Soccer

1610 Team Softball

2316 Team Cross Country

2463 Elementary Fencing

2466 Team Fencing

PHYSICAL SCIENCES (PHSC)

MAJOR: Stern College for Women
52-56 credits. PHYS 1041C, 1042C, 1510; MATH 1412, 1413, 1510, 2105, 2601; COMP 1300; CHEM 1045C, 1046C; ECON 1031. Plus 3 additional courses related to the particular field(s) of engineering in which the student is interested:

1) **Concentration in Chemistry:** CHEM 1213C, 1214C and an advanced CHEM elective.
2) **Concentration in Electromagnetism:** PHYS 1120, 1321, 1322.
3) **Concentration in Mechanics:** PHYS 1221, 1222, 1810.
4) **Concentration in Computer Science:** COMP 1320C plus 2 advanced electives.
5) **Concentration in Biology:** BIOL 1011C, 1012C, plus an advanced BIOL elective.

See the individual departments for the course descriptions.

PHYSICS (PHYS)

MAJOR: Stern College for Women
56-57 credits. PHYS 1041C, 1042C, 1120, 1221, 1321, 1510, 1621, 1810; MATH 1412, 1413, 1510, 2105, 2601; and three electives from PHYS 1140, 1222, 1322, 1340, 1401,

COMP 1300. Additional requirement: one semester of physics colloquium (1 credit). Exit requirement: Physics exit exam.

MINOR: Stern College for Women
19 credits. PHYS 1041C, 1042C, 1120, 1510, and one elective from PHYS 1140, 1221, 1321, 1340, 1810.

1031C, 1032C Introductory Physics 4 credits
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.

1041C, 1042C General Physics 5 credits
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: 4 hours; recitation: 1 hour; lab: 2 hours 45 minutes. Laboratory fee.
Prerequisite for PHYS 1041C: MATH 1412 or more advanced or instructors permission.
Prerequisite or co-requisite for PHYS 1042C, MATH 1413.

1120 Introduction to Modern Physics 3 credits
Elementary aspects of special and general relativity; introduction to quantum mechanics; atomic, nuclear, and particle physics; radioactivity; astrophysics and cosmology.
Prerequisites: PHYS 1042C.

1140 Mathematical Physics 3 credits
One-semester course covering the mathematical foundations of modern physics. Topics: functions of complex variables, multiple integrals, Fourier series, special functions, integral transforms (Laplace and Fourier), Green functions, distributions. Examples, problems and applications from different fields of physics.
Prerequisite: PHYS 1042C.

1221 Classical Mechanics I 3 credits
Newtonian mechanics; oscillations: simple, damped and driven; resonance; elements of nonlinearity; noninertial frames of reference; motion relative to the Earth; conservative forces and potential energy; central forces; planetary motion.
Prerequisite or corequisite: PHYS 1041C.

1222 Classical Mechanics II 3 credits
Lagrangian mechanics. Constraints. Variational calculus and Hamilton's equations. Rotations of rigid bodies in two and three dimensions. Eulers equations. Tensor analysis. Small coupled oscillations and normal coordinates. Classical waves: the wave equation, dispersion, interference, polarization. Fresnel and Fraunhofer diffraction.
Prerequisite PHYS 1221.

1321 Electromagnetic Theory I 3 credits
Vector calculus, Maxwell's equations in integral and differential form; electrostatics, Poisson's equation; magnetostatics; time-varying fields
Prerequisites: PHYS 1042C, MATH 1510.

1322 Electromagnetic Theory II 3 credits
Polarizability tensor, electrodynamics in matter. Electromagnetic radiation by accelerating charges; Lienard-Wiechert potentials, multipole radiation, bremsstrahlung, synchrotron radiation, applications to materials science. Antennas. Electromagnetic wave propagation in matter. Electromagnetic basis of physical optics. Fresnel equations, Kirchoff diffraction theory. Wave-guides and cavity resonators.
Prerequisite: PHYS 1321.

1340 Computational Methods in Scientific Research 3 credits
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: MATH 1413. Recommended PHYS 1031C, 1032C or 1041C, 1042C.

1401 Introduction to Solid State Physics 3 credits
A survey of the properties of condensed matter. Classification of crystalline lattices. Elements of crystallography. Cohesive forces in solids. Vibrations of crystals. Quantization. Debye and Einstein theories of phonons and thermal conductivity. Free electron theory of metals. Bloch functions and band theory. The Fermi surface. Semiconductors. Survey of advanced topics: excitations in lattices (plasmons and polarons), superconductivity, magnetic materials and models, theory of crystalline defects and alloys.
Prerequisites: PHYS 1120, 1621.

1510 Thermodynamics and Statistical Mechanics 3 credits
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 or corequisite: MATH 1510.

1621 Introduction to Quantum Mechanics 3 credits
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.
Prerequisites: PHYS 1221, MATH 2105 or permission of instructor.

1810 Intermediate Experimental Physics 3 credits
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: PHYS 1042C.

1830 Advanced Experimental Physics 2 credits
A selection of independent projects designed to prepare students for contemporary research in physics. Recent examples: synthesis and characterization of nanoparticles, time-resolved studies of nucleation and growth of nanoparticles, metal-insulator transition in vanadium oxides. Experiments are performed at Yeshiva University and collaborating institutions (e.g., New Jersey Institute of Technology, Stony Brook University, Brookhaven National Laboratory). Four hours of lab or arrangement with instructor.
Prerequisite: PHYS 1810.

4901, 4902 Independent Study
See Academic Information and Policies section.

4931-4935 Topics in Physics (1-3 credits)

POLITICAL SCIENCE (POLI)

MAJOR: Stern College for Women
Thirty-three credits. Three courses chosen from POLI 1101, 1201, 1301, 1401, 1501 (9 credits); plus one course from each of the four subfields listed below (12 credits). The remaining four courses may be taken in any subfield (12 credits).

MINOR: Stern College for Women
Eighteen credits. Two courses chosen from POLI 1101, 1201, 1301, 1401, 1501 (6 credits); at least one elective course in three of the four subfields (9 credits); remaining course may be taken in any subfield (3 credits).

Courses in political science are divided into
subfields. Those numbered x1xx are courses in American politics; x2xx are in comparati ve politics; x3xx are in international relations; x4xx are in political theory; and x5xx are general or cross-field courses.
Courses numbered 1xxx are introductory-level courses; courses numbered 2xxx are electives, for which the introductory course is generally recommended or required; courses numbered 3xxx are advanced seminars that will usually have particular prerequisites; and 4xxxlevel courses are independent reading or research projects.

American Politics
1101 Introduction to American Politics (formerly POLI 1040)
1105 Issues in American Public Policy (formerly POLI 1245)
2100 The American Presidency (formerly POLI 1460)
2105 Congress and the Legislative Process (formerly POLI 1200)
2110 Public Administration and Bureaucratic Politics (formerly POLI 1900)
2115 State and Urban Politics (formerly POLI 1250 and 1260)
2120 National Institutions
2125 Political Parties and Interest Groups
2130 Public Opinion and Political Behavior
2135 Voting and Elections
2140 Law and Politics
2145 American Constitutional Law (formerly POLI 1600)
2150 Civil Liberties (formerly POLI 1650)
2155 Politics of Criminal Justice
2156 Women and the Law
2160 American Social Movements
2165 Women and Politics
2170 Media and Politics (formerly POLI 1210)
2175 Race and Religion in American Politics
2180 The American Welfare State
2190 through 2199 Topics in American Politics
3110 Seminar: American Political Development
3115 Seminar: Dynamics of American Politics
3175 Seminar: American Politics
4100 Independent Study in American Politics

Comparative Politics
1201 Introduction to Comparative Politics
2200 Politics of Advanced Democracies
2201 European Political Development (formerly POLI 1310)
2205 African Politics
2210 East Asian Politics
2215 Latin American Politics
2220 Middle East Politics (formerly POLI 1340)
2225 Politics of Countries in Transition from Communism (formerly POLI 1370)
2235 Israeli Politics
2240 Escaping Poverty, Oppression, and Violence: Problems of Development (formerly POLI 1320)
2245 Race, Nation, and Ethnicity in a Global World
2250 Social Movements: Mobilizing for Change
2255 Regime and Opposition
2260 Democratization
2265 Religion and Politics in Comparative Perspective
2290 through 2299 Topics in Comparative Politics
3205 Seminar: Welfare States in Comparative Perspective
3210 Seminar: Resilience of Authoritarianism in the Middle East

3225 Seminar: Nation and State Building in the Post-Cold War Era
3230 Seminar: European Politics
3275 Seminar: Comparative Politics
4200 Independent Study in Comparative Politics

International Relations
1301 Introduction to International Relations (formerly POLI 1503)
1305 American Foreign Policy (formerly POLI 1510)
2310 European Foreign Policy: Trends and Issues
2315 International Law and Organization (formerly POLI 1540)
2320 Money and Power in International Politics
2325 Intelligence and National Security
2330 Terrorism and Low-Intensity Conflict
2335 Civil Wars and Intra-State Conflict
2340 International Relations of the Middle East
2390 through 2399 Topics in International Relations
3300 Seminar: International Security
3305 Seminar: Statecraft Analysis
3310 Seminar: Globalization
3315 Seminar: Humanitarian Intervention
3375 Seminar: International Relations
4300 Independent Study in International Relations

Political Theory
1401 Great Political Thinkers: Introduction to Political Theory
2405 Classical Political Theory (formerly POLI 1801)
2410 Modern Political Theory (formerly POLI 1810)
2415 Contemporary Political Theory (formerly POLI 1820)
2430 American Political Thought (formerly POLI 1862)
2435 Contemporary Political Ideologies
2490 through 2499 Topics in Political Theory
3475 Seminar: Political Theory
4400 Independent Study in Political Theory

1101 Introduction to American Politics 3 credits
Overview of the formal institutions and functions of the national government (Congress, presidency, courts); their interactions with state and local governments, and with informal institutions of political power (political parties, interest groups, social movements, public opinion, media).

1105 Issues in American Public Policy 3 credits
An examination of how, where, and why policy is created, with particular attention to domestic policy making. Substantive focus varies; areas may include Social Security, welfare, health care, economic policy and budgeting, and environmental policy.

1201 Introduction to Comparative Politics 3 credits
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.

1301 Introduction to International Relations 3 credits
Nation-state system since World War I (national power, national interest, foreign policy formulation); development of international relations from the League of Nations to the United Nations and present regional systems; impact of modern weaponry; war and peace; globalization and the post-cold war world order.

1305 American Foreign Policy 3 credits
How American foreign policy is made and implemented; the interrelationship of foreign and domestic policies; the military–industrial complex; the media and the foreign policy making process; objectives of American foreign policy; the United States as an international actor in the postcold war order; the United Nations and the United States.

1401 Great Political Thinkers: Introduction to Political Theory 3 credits
Survey of political philosophers in the Western tradition from Plato and Aristotle through Machiavelli, Hobbes, Locke, Hegel, and Marx to Rawls.

1501 Fundamentals of Political Science 3 credits
Meaning, principles, and major fields of political science; development of the state; civil and political rights; law and the judicial process; theories of the state such as democracy, socialism, communism, fascism; international relations. Recommended for those students who might be considering a major in the department, or for nonmajors who would like an overview of the discipline.

2100 The American Presidency 3 credits
Presidential power in domestic and international affairs, and in relation to the rest of the political system, in historical perspective.

2105 Congress and the Legislative Process 3 credits
What the U.S. Congress does and why, and what tools are available to examine and understand congressional elections and legislative behavior.

2110 Public Administration and Bureaucratic Politics 3 credits
Theories of organizational behavior and management; relationships between administrators and politicians and between administrators and interest groups; political implications of the bureaucratic state.

2115 State and Urban Politics 3 credits
Roles and functions of state and local governments in the American federal system; impact of political parties, interest groups, race, and class on the development and operations of the American city.

2120 National Institutions 3 credits
In-depth examination of the executive, legislature, and judiciary; their development over time; their interactions with each other.

2125 Political Parties and Interest Groups 3 credits
History, evolution, and function of political parties; role of interest groups in national politics and policy making; relationship between parties and pressure groups, and their separate and joint influence.

2130 Public Opinion and Political Behavior 3 credits
Methods for measuring and evaluating public opinion across a range of issues, and the role opinion plays in politics and policy making.

2135 Voting and Elections 3credits
Methods by which American elections are conducted; means of voter mobilization; explaining levels of voter participation.

2140 Law and Politics 3 credits
The role of the courts in state and national politics; judicial decision making.

2145 American Constitutional Law 3 credits
Changing interpretations of the meaning of the U.S. Constitution, with particular attention to decisions of the U.S. Supreme Court.

2150 Civil Liberties 3 credits
Limits on government power and the rights of individuals, especially as enshrined in the Bill of Rights.

2155 Politics of Criminal Justice 3 credits
History and current functions of the criminal justice system, with particular attention to matters of race and class.

2156 Women and the Law 3 credits
What does the law say about a woman's right to live free from violence and discrimination, control her own reproductive destiny, and create a family? How did the law get to where it is now, and where should it go from here? These are some of the questions addressed in this highly interactive course, with a particular emphasis on issues of employment discrimination (including sexual harassment), violence against women, family law, and reproductive rights.

2160 American Social Movements 3 credits
Theoretical perspectives appropriate to the analysis of political, religious, and cultural movements; case studies of civil rights movement, women's movement, and others.

2165 Women and Politics 3 credits
Analysis of how gender shapes the social, economic, and political possibilities for

women. Various topics addressed such as education, employment discrimination, violence against women, welfare, reproduction and other current political debates.

2170 Media and Politics 3 credits
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.

2175 Race and Religion in American Politics 3 credits
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.

2180 The American Welfare State 3 credits
History of American efforts to provide economic and social security to its citizens; evaluation of their effects; debates about legitimate role of government in social welfare provision.

2190 through 2199 Topics in American Politics 3 credits
Selected issues in American politics.

2200 Politics of Advanced Democracies 3 credits
Contemporary issues in advanced industrial countries. Topics include political parties, party systems, political culture, ideologies, bureaucracy, interest groups, political economy, policy process, regional integration, and globalization.

2201 European Political Development 3 credits
The European Union as a politicaleconomic experiment in transnational regional integration, supranational policy making, the "democracy deficit," enlargement issues, neoliberalism, immigration, and Europe as regional imperium.

2205 African Politics 3 credits
Major political developments in contemporary Africa, including the impact of colonial administration on contemporary politics, ethnic conflict, the prominence of the military in Africa's politics, neo-patrimonial modes of governance, and the prospects for reform and political change.

2210 East Asian Politics 3 credits
Pacific Ocean states as the power hub of the 21st century, with emphasis on Japan and China. Globalization dynamics in East Asia and the "Asian Tigers"; impact of the rise of East Asia on the United States, Canada, and Latin America.

2215 Latin American Politics 3 credits
Contemporary politics in Central and South America, focusing on the role of elites, the military, political parties, and civil society; attention to issues including neo-liberalism, the politics of identity, and inter-American politics.

2220 Middle East Politics 3 credits
Major issues confronting the Middle East; religion and politics; challenges to economic development and democratization.

2225 Politics of Countries in Transition from Communism 3 credits
Rise and fall of the Soviet empire; emergence of the Commonwealth of Independent States; problems of democratization and privatization; U.S.-Russian relations after the cold war; Russia as an international actor.

2235 Israeli Politics 3 credits
Nature of and challenges to Israel's democracy; how security concerns translate into domestic politics; the role of Zionism in Israel's heritage and future; and the social and economic tests that the society has faced.

2240 Escaping Poverty, Oppression, and Violence: Problems of Development 3 credits
Sources and possible solutions to problems that limit the development of poor countries. Importance of colonialism, nationalism, alternative models of political and economic development; problems of instability, military rule, population, famine, debt.

2245 Race, Nation, and Ethnicity in a Global World 3 credits
Politics of identity, xenophobia, and ethnic conflict in developing and advanced societies.

2250 Social Movements: Mobilizing for Change 3 credits
The complexities of collective political behavior: how, why, and when do people come together, organize, and mobilize to bring about or to resist social or political change? Why are some groups more successful than others?

2255 Regime and Opposition 3 credits
How do opposition groups rise up to oppose those in power? When does opposition become violent? What role does the structure of political regimes play in determining the dynamic of regime-opposition relations?

2260 Democratization 3 credits
Comparative study of the wave of democratization that has swept much of Latin America, Asia, Africa, Eastern Europe, and the former Soviet Union; the political, economic, and social causes of this trend.

2265 Religion and Politics in Comparative Perspective 3 credits
Causes and impact of the rising importance of religion in the politics of selected countries.

2290 through 2299 Topics in Comparative Politics 3 credits
Selected issues in comparative politics.

2310 European Foreign Policy: Trends and Issues 3 credits
The European Union as an emerging international actor; globalization; EU as military

power and as peacekeeper; NATO, the EU and U.S. hegemony; foreign policy objectives in the Maghreb states of North Africa; Russia; the Middle East, China, Latin America.

2315 International Law and Organizations 3 credits
Development of principles of public law governing the relations of states and analysis of these principles; problem of individual responsibility; role of diplomacy, international organizations, and international tribunals; review of selected international law cases.

2320 Money and Power in International Politics 3 credits
Political foundations of economic policymaking, the struggle among states for control of the international economy, and the potentially violent after-effects of economic change.

2325 Intelligence and National Security 3 credits
Relationship between intelligence and national security policy making, with particular focus on the United States.

2330 Terrorism and Low-Intensity Conflict 3 credits
Investigates the two distinct but related phenomena of terrorism and guerilla warfare.

2335 Civil Wars and Intra-State Conflict 3 credits
Since 1945, the vast majority of wars have taken place within states rather than between them. Examine the causes of these wars as well as their international implications.

2340 International Relations of the Middle East 3 credits
Factors that help us better understand and analyze the intra-state relations of the Middle East and North Africa, including impact of colonialism, nationalism, regional crises and wars, and the Arab-Israeli conflict. Special attention to historical and contemporary interaction between the Middle East and the United States.

2345 Ethnic Conflict and Genocide 3 credits
Since 1945, the majority of conflicts have taken place within states rather than between them. Examines the causes of these conflicts, including the role of ethnicity and power and their international implications and addresses the mobilization process leading to mass killings.

2350 Game Theory in International Relations 3 credits
Using game theory as a tool to analyze problems in International Relations.

2390 through 2399 Topics in International Relations 3 credits
Selected issues in international relations.

2405 Classical Political Theory 3 credits
Philosophical analyses of and propositions about political power that have shaped the Western political tradition in its anti-democratic and democratic variants; emphasis on Plato and Aristotle; development of the classical Greek (and Roman) tradition(s) in medieval thinkers; Machiavelli (Renaissance) and Rousseau (modern).

2410 Modern Political Theory 3 credits
Political thought in the 17th to 19th centuries. Theories of rights and property; moral agency; theories of state, justice, and civil society. English, French, and German liberalism (Hobbes, Locke, Rousseau, Kant). Hegel's social theory. Marx's critique.

2415 Contemporary Political Theory 3 credits
Trends in Anglo-American and in Continental political philosophy with emphasis on the development of democratic thought (Rawls, Nozick) and the critique of democratic theory as practicable within the contemporary state (Foucault, Habermas); postmodern thought (Levinas, Derrida).

2430 American Political Thought 3 credits
Readings in classical and contemporary commentaries on the American political experience; analysis of historical and geographical factors shaping the American political mind and tradition; impact of religion, slavery, ethnicity, and racism; antidemocratic thought in America.

2435 Contemporary Political Ideologies 3 credits
Rise of ideology with mass politics and its political function; mass revolutionary movements like communism and fascism; democratic "New Politics"; religion as political ideology; Left and Right in contemporary America and other democracies.

2440 Israeli Political Thought 3 credits
Can Israel be both a Jewish State and a democratic state? This course focuses on historical and contemporary debates within Israel on the meaning of a Jewish democratic state. It also includes relevant Israeli and Palestinian Arab literature and commentary.

2490 through 2499 Topics in Political Theory 3 credits
Selected issues in political theory.

2505 Topics in Political Science 3 credits
Selected issues in the discipline of political science.

3110 Seminar: American Political Development 3 credits
Examination of durable patterns of institutional development and reallocations of institutional power discernible over the long sweep of American history.

3115 Seminar: Dynamics of American Politics 3 credits
Intensive survey of current research on American politics and political behavior including voting, elections, media effects, legislative politics, democratic theory, and political manipulation.

3175 Seminar: American Politics 3 credits
Seminar on issues in American politics.

3205 Seminar: Welfare States in Comparative Perspective 3 credits
Rise (and decline?) of the provision of social welfare benefits by states across the globe.

3210 Seminar: Resilience of Authoritarianism in the Middle East 3 credits
Contending approaches to explaining the democratic deficit in the Middle East.

3225 Seminar: Nation and State Building in the Post-Cold War Era 3 credits
American foreign policy, the democratic peace proposition and nationstate building; problems associated with democratizing transitional states emerging from collapsed authoritarian regimes; historical precedents for nation-state building; the military as state builder.

3230 Seminar: European Politics 3 credits
Seminar on current issues in European politics.

3275 Seminar: Comparative Politics 3 credits
Seminar on issues in comparative politics.

3300 Seminar: International Security 3 credits
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.

3305 Seminar: Statecraft Analysis 3 credits
When and why policymakers use different techniques of statecraft. Topics include military force, coercive diplomacy, economic sanctions, covert action.

3310 Seminar: Globalization 3 credits
Examines the extent to which claims that the international economy is more integrated than ever before are true and the implications globalization has for economic development.

3315 Seminar: Humanitarian Intervention 3 credits
Examines when, how, and why it is justified to militarily intervene in the domestic affairs of countries to protect lives and rights, and the political costs of doing so.

3375 Seminar: International Relations 3 credits
Seminar on issues in international relations.

3475 Seminar: Political Theory 3 credits
Seminar on issues in political theory.

3575 Research Methods 3 credits
Introduction to quantitative and/or qualitative research methods used in the social sciences generally and within political science more particularly.

PRE-ENGINEERING

Students interested in engineering may pursue the Pre-engineering major or opt for a related major in Physics, Physical Sciences, Chemistry or Mathematics.

The Pre-engineering major is open to students who enter SCW with sufficient AP credits so that they can complete the major, general and **reduced** Jewish Studies requirements (4 semesters of Core + 14 JS credits) in 3 years-either one year in Israel and two years at SCW, or three years at SCW.
Pre-engineering majors must continue their studies through a Combined Program in engineering with either Columbia University (BS) or State University of New York at Stony Brook (BE). Students who do not continue at a school of engineering, must complete a total of 6 semesters of Core and change their major (e.g., Physical Sciences or a Shaped Major) in order to receive the BA degree from SCW.
To be eligible for admission to Columbia through the Combined Program in Engineering, Pre-engineering majors must meet the SCW graduation requirements specified above, 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, the students are guaranteed admission to the two-year program at either Columbia or Stony Brook. If admitted, students should file for a Leave of Absence and not file for graduation from SCW.
After successfully completing the two year program at either school these students file for a BA from YU, and a BS from Columbia or a BE from Stony Brook.

Students interested in the Columbia Program (BS) should meet with Dr. Anatoly Frenkel or Dr. Ed Berliner.
Students interested in the Stony Brook Program (BE) should meet with Dr. Anatoly Frenkel.

MAJOR: Stern College for Women
Forty-nine credits: CHEM 1045C, 1046C; MATH 1412, 1413, 1510, 2105, 2601; PHYS 1041C, 1042C, 1140, 1510; COMP 1300C; ECON 1031.

PSYCHOLOGY (PSYC)

MAJOR: Stern College for Women
General Track: Thirty-seven credits in psychology: PSYC 1010, 1100 or 1107, 2100C, 2150, 3105, 3800. One course from each of the following groups: 1) PSYC 1301, 2414, 2430; 2) PSYC 2140, 3125, 3804; plus four additional psychology courses; plus STAT 1021.

Neuroscience Track: Thirty-seven credits in psychology: PSYC 1010, 1100 or 1107, 2100C, 2150, 2414, 3105, 3800, 3804, 3810, 3815 plus two additional psychology courses; plus STAT 1021.

Developmental Track: Thirty-seven credits in psychology: PSYC 1010, 1100 or 1107, 1110, 1130, 1140, 1301 or 2414, 2100C, 2150, 3105, 3800, plus two additional psychology courses; plus STAT 1021.

Students planning to do graduate work should consult the department faculty early in their course of study concerning a program of courses as well as other preparation necessary for graduate study.

MINOR: Stern College for Women
Sixteen credits in psychology, including PSYC 1010, 1100 or 1107, 2100C, 3105, 2150 or 3800. STAT 1021 is also required.

1010 Introductory Psychology 3 credits
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.

1100 Theories of Human Development 3 credits
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: PSYC 1010.

1107 Developmental Psychology: Life Span 3 credits
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: PSYC 1010.

1110 Cognitive and Social Development of the Child 3 credits
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: PSYC 1100 or 1107, 2100C.

1130 Cognitive and Social Development of the Adolescent and Young Adult 3 credits
Processes and problems of adolescence and early adulthood; personality development in its relationship to cultural patterns.

Prerequisites: PSYC 1100 or 1107, 2100C.

1140 Adult Development and Aging 3 credits
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.
Prerequisites: PSYC 1100 or 1107, 2100C.

1220 Psychology of Exceptional Children 3 credits
Experience and behavior of exceptional children, including the gifted as well as the intellectually, emotionally, and physically challenged.
Prerequisite: PSYC 2100C.

1224 Psychology of Learning Disabilities 3 credits
Learning problems of schoolchildren and their underlying cognitive processes. Psychological, educational, and medical aspects; diagnostic and remedial practices.
Prerequisite: PSYC 2100C.

1301 Psychological Tests and Measurements 3 credits
Theory and method of measuring human behavior; construction and evaluation of tests of abilities, aptitudes, achievement, attitudes, and adjustment; ethical issues in testing.
Prerequisite: PSYC 2100C.

2100C Experimental Psychology 4 credits
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. (lecture: 3 hours; lab: 2 hours)
Prerequisite: PSYC 1010; Prerequisite or corequisite: STAT 1021.

2140 Learning 3 credits
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: PSYC 2100C.

2150 Cognitive Psychology 3 credits
Analysis of empirical literature and theories relating to topics of size, distance, motion and form perception, attention, memory, language, and problem solving.
Prerequisite: PSYC 2100C.

2151 Applied Cognitive Psychology 3 credits
This course will familiarize the student with the wide use of the basic research and theory of cognitive science in areas of practical application to give them a deeper understanding of these concepts and to think in terms of their applications.

Prerequisite: PSYC 2150.

2153 Mind, Language, and Consciousness 3 credits
An exploration of the nature of consciousness that emerges from an in-depth study of fundamental perceptual, attentional, memory, and language functions.
Prerequisites: PSYC 2100C, 2150 or permission of the instructor.

2401 Childhood Disorders 3 credits
Abnormal behavior in children; mental subnormality, reactive and neurotic disorders, psychoses, neurologic disturbances, disorders related to organic dysfunction; implications for psychoeducational management.
Prerequisites: PSYC 1110, 2100C. Strongly recommended: PSYC 3800.

2414 Abnormal 3 credits
Theories and research into causes and treatment of neuroses, psychoses, and deviant behavior; diagnosis; systems of individual and group psychotherapy.
Prerequisite: PSYC 3800.

2414H Abnormal 3 credits
(Same as PSYC 2414)
Prerequisites: PSYC 2100C, 3800.

2430 Introduction to Clinical Psychology 3 credits
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.
Prerequisites: PSYC 2100C, 2414.

3105 Social Psychology 3 credits
Dynamic study of social behavior; social learning, interpersonal attraction, aggression, attitudes, conformity, and social influence processes.
Prerequisite: PSYC 2100C.

3125 Seminar in Emotions 3 credits
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: PSYC 2100C.

3132 Cross-Cultural Social Development 3 credits
An examination of how culture shapes our social behavior through theoretical perspectives and classic and contemporary research. Explores cultural differences in the development of emotions, morality and self-concept, and in the influence of family, peers, the media, and schooling.
Prerequisite: PSYC 2100C.

3165 Human sexuality 3 credits
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: PYSC 1107, upper junior/senior status.

3174 Psychology of Women 3 credits
Explores the unique psychological experience of women. Addresses the topics of gender development, socialization, communication, cognition, work, personality and social interactions, contemporary life, health and reproduction, and violence and mental health, specifically as they relate to women.
Prerequisite: PSYC 2100C.

3214H Research Seminar I 3 credits
Participation for eight 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.
Prerequisites: PSYC 2100C and permission of the instructor.

3215H Research Seminar II 3 credits
Continued participation for eight hours per week, for 12 weeks, in an ongoing research project with supervision by an on-site investigator and Stern College faculty member. Focus on research methodology, data analysis, grant writing, preparation of data for professional presentation, and balancing research and clinical care.
Prerequisites: PSYC 3214H and permission of the instructor.

3400 Educational Psychology 3 credits
(Same as EDUC 1210.)
Application of principles of learning, motivation and measurement to education.
Prerequisites: PSYC 1107.

3405 Play in Life and Learning 3 credits
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.

3411 Forensic Psychology 3 credits
Role of psychology in the legal system; child welfare, criminal justice, personal liability issues; role of the psychologist as an expert witness.
Prerequisites: PSYC 2100C, 3800, and either PSYC 1301 or PSYC 2414 or PSYC 2430.

3430 Industrial and Organizational Psychology 3 credits
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.

3601 Health Psychology 3 credits
An examination of 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: PSYC 1010.

3610 Public Health 3 credits
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.
Prerequisites: PSYC 1010, either experimental psychology or a science course with a lab, and junior status.

3712 Special Education Methods: Applied Behavioral Analysis 3 credits
(Same as EDUC 4061)
This course includes a comprehensive and critical presentation of the theory, research, and methodology of applied behavior analysis. Controversial issues such as symptom substitution and extrinsic vs. intrinsic motivation are addressed and discussed. Although the application of Applied Behavior to children with special needs is presented, the course emphasizes the value and applicability of this approach for improving learning, attention, and social behavior in all children (and adults).

3800 Personality 3 credits
Structure and dynamics of normal and abnormal personality development, including psychoanalytic and social learning approaches. Clinical diagnostic tests and procedures are discussed.
Prerequisite: PSYC 1010.

3804 Psychobiology 3 credits
Mind and body: the nervous system and endocrine glands in relation to psychological processes; physiological basis of perception, motivation, emotions, and learning.
Prerequisite: PSYC 2100C.

3810 Behavioral Neuroendocrinology 3 credits
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: PSYC 3804 or BIOL 3830 or BIOL 3728C.

3815 Cognitive Neuroscience 3 credits
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: PSYC 2150

3820 Neuropsychology 3 credits
Clinical and research issues in neurological psychology and behavioral neurology. Topics include neuroanatomy, diagnostic measures, traumatic brain injury, stroke, memory dysfunction, and pediatric and developmental neuropsychology.
Prerequisites: PSYC 2100C, 3804.

3830 Positive Psychology 3 credits
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: PSYC 3105, 3800

3842 Contemporary Problems in Psychology 3 credits
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.
Prerequisites: PSYC 2100C, 2414.

3843 Psychology and Public Policy 3 credits
Explores and integrates the relationship between the various areas of psychology and the functioning of the many aspects of the social, legal, and regulatory spheres of our society.
Prerequisites: PSYC 2100C or PSCY 2414 or PSYC 3105.

3845 Psychology and Religion 3 credits
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: PSYC 2100C or a research methods course or senior status.

3847 Psychosocial Problems in the Organized Jewish Community 3 credits
Explores the research (psychological as well as sociological, and both epidemiological and etiological) done Jewish communities and in the wider community with an eye to its applicability to the Jewish community. Topics include dropouts, drugs, spousal abuse, child abuse, and eating disorders. Research questions are formulated to guide further questioning, research, and thinking on these problems.

4920 Psychology of Aggression 3 credits
A study of normative as well as pathological manifestations of aggressive behavior, with a focus on the psychological differences between aggressive and nonaggressive individuals. An examination of factors that contribute to individuals' aggression (e.g., murder, cannibalism) as well as aggressive behavior on a group level (e.g., war, genocide).
Prerequisites: PSYC 2100C, 3800.

4930; 4931; 4932 Special Topics in Psychology 3 credits
Seminar for majors involving extensive reading, discussion of several topics, and preparation of original papers. Topics are selected from among diverse areas in psychology—including personality, developmental, social, clinical, applied, cognition, psychobiology, language, and learning— and vary from semester to semester.
Prerequisite: senior status or permission of the instructor.

SEMITIC LANGUAGES (SEMI)

5111, 5112 Elementary Arabic 3 credits.
Introduction to the grammar and syntax of classical and modern literary Arabic.
5121, 5122 Intermediate Arabic 3 credits.
Selections from classical texts, with continued study of elements of Arabic grammar.

5312 Biblical Aramaic 3 credits.
Linguistic analysis of the Aramaic texts in the Bible.

5331, 5332 Aramaic of the Babylonian Talmud 3 credits.
The idiom of the Talmud Bavli.

SHAPED MAJOR

Students may structure an individual major to meet specialized academic goals. Interested students should design a major with an academic adviser early in their academic career. They should submit the Shaped Major allocation chart to the Office of the Registrar for review and approval of the dean. Students wishing to undertake a combined plan in occupational therapy with Columbia University or a program in one of a variety of areas in art and fashion at the Fashion Institute of Technology should develop a Shaped Major to accommodate the special requirements of these programs.

SOCIOLOGY (SOCI)

MAJOR: Stern College for Women
Thirty credits. SOCI 1001, 1504, 1640, and an additional 21 credits in SOCI courses. PSYC 3105 may count toward the major. STAT 1021 is highly recommended.

MINOR: Stern College for Women
SOCI 1001, 1504, and an additional 9 credits in SOCI courses. PSYC 3105 may count toward the minor.

1001 Introduction to Sociology 3 credits
Basic concepts, theories, methods, and findings of sociology; forms of social life: interaction, groups, organizations, and societies; socialization; inequality; social institutions.

1116 Sociology of Deviance 3 credits
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: SOCI 1001.

1158 Criminology 3 credits
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.
Prerequisite: SOCI 1001.

1202 Social Institutions 3 credits
The role and function of social institutions in the formation and maintenance of community and nationhood; historical background and contemporary ideological, technical, and ethical challenges. The political, economic, sociological, religious and communication structures of contemporary life.
Prerequisite: SOCI 1001.

1203 Biological Anthropology 3 credits
The biological evolution and variation of humans from the point of view of physiological and cultural adaptation. Introduces the student to materials, methods, and ideas (classical and contemporary) related to the field.

1204 Cultural Anthropology 3 credits
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.

1205 Introduction to Anthropology 3 credits
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.

1206 Introduction to Archaeology 3 credits
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.

1209 Sociology of Israeli Identities 3 credits
Does the State of Israel unite or divide World Jewry? Does being Jewish unite or divide Israelis? Exploration of socio-historical forces, the diversity of immigrant and indigenous cultures, conflicting religions and ideologies within the geographical space we call Israel.

1211 Archaeology of Israel 3 credits
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.

1212 Archaeology of Israel Fieldwork 2-3 credits
Academic and practical experience in the recovery and analysis of the material remains of an ancient culture. Dig and survey the site, wash and read pottery at the base camp, and learn about the archaeology of Israel and archaeological methodology.

1215 Sociology of Religion 3 credits
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: SOCI 1001.

1232 Sociology of Health 3 credits
Distribution of disease among and within populations; 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.
Prerequisite: SOCI 1001.

1233 Introduction to Public Health 3 credits
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.
Prerequisites: PSYC 1010, either experimental psychology or a science course with a lab, junior status or permission of instructor.

1236 Epidemiology 3 credits
Distribution of disease and determinants of its frequency; history of epidemiological thinking, concept of cause, sources of data, design of epidemiological studies.
Prerequisite: SOCI 1001.

1283 Sociology of Education 3 credits
An exploration of the social organization of educational institutions, utilizing various sociological perspectives to offer views on equality/inequality, organization, curriculum, and achievement.
Prerequisite: SOCI 1001.

1294 Society and Populations with Special Needs 3 credits
This course focuses on the changing role of special needs populations in society. Issues covered include the history, the rights of people with disabilities, relationship of special education placement to social class and cross-cultural analysis.

1311 Urban Sociology 3 credits
Focuses on contemporary city life. Methods of studying the city, ranging from community studies to detailed observation of daily interaction; growth of the city, suburb, and metropolis; political and economic issues such as gentrification, race relations, and relationship among city, state, and federal government; critical evaluation of classical theorists; contemporary problems of the city.
Prerequisite: SOCI 1001.

1316 Environmental Sociology 3 credits
Study of the city as environment: its people, architecture, transportation, technology, economic system, socio-spatial organization, and related environmental problems. These aspects form our experience of living in the urban environment. Urban experience from an interdisciplinary perspective that includes sociology, social psychology, architecture, urban planning, geography, and anthropology. The course is guided by discussions of visual presentation and by field experience.
Prerequisite: SOCI 1001.

1413 Social Stratification 3 credits
The study of the distribution of power in society; classical systems of stratification; theories of social stratification; gender and age stratification; social stratification in the United States; measurement of stratification; stratification and social mobility; achieved versus ascribed status.
Prerequisite: SOCI 1001.

1436 Social Movements 3 credits
Theoretical perspectives appropriate to the analysis of political, religious, and cultural movements; case studies of various social movements, as selected by the students.
Prerequisite: SOCI 1001.

1480 Introduction to Social Work 3 credits
Overview of the social work profession; social welfare policy, programs, and methods of

social work practice. Fieldwork consists of three hours per week of practicum under close supervision. (lecture: 1 hour; plus fieldwork).

1504 Methods of Social Research 3 credits
Application of the scientific method to social data; definitions, concepts, and hypotheses; research design; techniques of collection and analysis of data.
Prerequisite: SOCI 1001.

1640 Sociological Theories 3 credits
Examination of the foundational theories of three traditions within modern sociology, focusing on how these theories were developed in the writings of Karl Marx, Emile Durkheim, Max Weber, and George Herbert Mead. Attention also is given to later sociological theorists such as DuBois, Parsons, Goffman, and Merton.
Prerequisite: SOCI 1001.

1730 The American Jewish Community 3 credits
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.
Prerequisite: SOCI 1001.

1746 Ethnic Groups in the United States 3 credits
Nature of ethnic and minority groups; acculturation and assimilation in the United States; relation of ethnic groups to the institutions of the dominant society; nature and causes of prejudice and discrimination.
Prerequisite: SOCI 1001.

1757 Race, Caste, and Ethnicity 3 credits
Responsibilities and pitfalls of ascribed status; various approaches to understanding ethnocentrism; hosts, immigrants, and settlement; assimilation patterns; ethnic and racial myths; contributions to society by minorities; responses to subordination practices; consequences of prejudice and discrimination; attitude formation and change; multiculturalism; political correctness: sensitivity and oversensitivity.
Prerequisite: SOCI 1001.

1831 Self and Society 3 credits
Analyzes how identity and the self are created through social, psychological, cultural, and historical processes. These include socialization over the life course 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.
Prerequisite: SOCI 1001.

1934 Sociology of Mass Media 3 credits
Role of mass media in the formation of public opinion in areas ranging from elections to

images of women, Jews, and other groups; analysis of content of TV programming and production, how media influence politics and public opinion; dynamics and role of the pollster; mass media and consumerism.
Prerequisite: SOCI 1001.

2110 Demography 3 credits
Population trends in relation to resources; changes in birth and death rates; span of life and morbidity; social and other causes and effects of these changes; immigration; population policies and theories; collection, analysis, and interpretation of demographic data.
Prerequisite: SOCI 1001.

2210 The Family 3 credits
Analysis of the family in historical context: popular myths of the family; changes in gender roles and family relationships; divorce rate and the family; the idealized family.
Prerequisite: SOCI 1001.

2220 Sociology of Children 3 credits
A look at changes in society's ideas about children and how these reflect social economic circumstances. The history of children in America, focusing on contemporary childhood, and an examination of the impact of social phenomena such as divorce, the media, and changing family roles.
Prerequisite: SOCI 1001.

2230 Sociology of Death and Dying 3 credits
Current knowledge on a wide variety of death-related topics: attitudes toward death; medical-care systems; grief; living wills; medical ethics; definitions of death; social psychology of aging; death in popular culture; and how life and death affect all sociocultural processes, values, and events.
Prerequisite: SOCI 1001.

4901, 4902 Independent Study
See Academic Information and Policies section.

4925; 4926 Topics in Sociology 3 credits
Varies by semester. May include such topics as Race, Class, and Gender..

4931 Seminar in Sociology 3 credits
Seminar for majors. Extensive reading, discussion of current issues and problems in sociology, and preparation of papers.
Prerequisite: senior status.

SPANISH (SPAN)

1101-1102 Elementary Spanish 3 credits
Essentials of grammar, conversation, comprehension, reading, and translation. Spanish

1101 is not open to students who have had high school Spanish. Those who have had one year of high school Spanish may take 1102.

1201, 1202 Intermediate Spanish 3 credits
Review of grammar, composition, conversation, culture, reading and analysis of literary selections. SPAN 1201 is for students who have had two years of high school Spanish. Students who have had three years of high school Spanish may take SPAN 1202.
Prerequisite: SPAN 1102 or two years of high school Spanish.

2022; 2023; 2024 Spanish American Literature 3 credits
Major literary works of Spanish America.
Prerequisite: SPAN 1202, four years of high school Spanish, or near-native fluency.

2101; 2102 Masterpieces of Spanish Literature 3 credits
Detailed studies of the major literary works of Spain.
Prerequisite: SPAN 1202, four years of high school Spanish, or near-native fluency.

4925, 4926 Topics in Literature

SPEECH PATHOLOGY/ AUDIOLOGY (SPAU)

MAJOR: Stern College for Women
Thirty-five credits in SPAU courses as follows: 3000, 3001, 3011, 3012, 3015, 3024, 3025, 3033, 3034, 3112, 3320, 3940; PSYC 1010; STAT 1021; and BIOL 1005C . A physical science course is also required.

3000 Survey of Communication Disorders 3 credits
Overview of the scope of speech-language pathology/audiology practice and professions. Pediatric phonological, motor-speech, and language development and disorders; adult neurogenic communication disorders; disorders of voice, fluency, and hearing. Treatment observations.

3001 Development of Speech and Language 3 credits
Processes and products of typical language development from infancy to adulthood; the development of early communication in the context of cognitive, social, and emotional growth before and after first words, first sentences, and nascent conversations. Cultural and individual differences in language development.

3011 The Speech Mechanism 3 credits
Anatomy, physiology, and neurology of the respiratory, voice and speech mechanisms. Normal and abnormal development and function considered in relation to speech articulatory, voice and language development and performance.

3012 The Hearing Mechanism 3 credits
Anatomy, physiology, and neurology of the hearing mechanism. Normal and abnormal development and function considered in relation to speech and language development

and performance and auditory function. Theories of hearing, acoustics, and psychoacoustics with consideration of underlying concepts and implications to function.

3015 Introduction to Speech Science 3 credits
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.
Prerequisites: SPAU 3001, SPAU 3112.

3024 Communication Disorders in Adults 3 credits
Language and speech disorders of adults; normal development; organic, neurological, and psychological conditions underlying disorders; diagnostic and treatment methods; field trips.
Prerequisites: SPAU 3001, SPAU 3025.

3025 Communication Disorders in Children 3 credits
Etiologies and treatment of developmental language disorders, language-learning disabilities; phonological, articulation, and motor-speech disorders; disfluency, hearing loss, syndromes (including cleft palate); association of developmental disabilities (autism, cerebral palsy, and mental retardation) with speech-language delay and disorder.
Prerequisites: SPAU 3001, SPAU 3012.

3033 Audiology I 3 credits
Basic audiologic procedures, including pure tone, speech audiometry; masking; physiologic testing I—impedance/admittance, otoacoustic emission; basic etiologies and differential diagnoses for disorders of hearing; special populations including pediatric and functional testing.
Prerequisite: SPAU 3012.

3034 Audiology II 3 credits
Diagnostic aspects of audiology, stressing site-of-lesion testing, evaluation of vestibular function, advanced speech audiometry, central testing, non-organic hearing loss; evoked potential procedures, industrial audiology.
Prerequisite: SPAU 3033.

3112 Phonetics 3 credits
Analysis of American English speech sounds and their variations; articulatory and physiological aspects of phonetics; acoustic phonetics and perceptual phonetics; phonetic transcription using the International Phonetic Alphabet.

3320 Aural Rehabilitation 3 credits
Types and application of amplification, auditory training, and other communication tools for the hearing-impaired; special problems of the pediatric and geriatric populations.
Prerequisite: SPAU 3033.

3331; 3332 American Sign Language I, II 2 credits
Basic instruction and practice in sign language as used by the hearing-impaired and as an augmentative system to facilitate communication for other communicatively challenged individuals.

3940 Clinical Observation in Communication Disorders 2 credits
Students observe speech and language and audiological evaluations. Therapy sessions at community speech and hearing clinics. (lecture: 1 hour; observation: 30 hours) Laboratory fee: $75.
Prerequisites: SPAU 3024, SPAU 3033

SPEECH AND DRAMA (SPEE)

MINOR: Stern College for Women
SPEE 1010 and 12 elective credits of which no more than 2 credits may be for significant involvement in an SCW theater production. With permission of the senior professor, 6 elective relevant credits in ENGL may be used to meet the requirement.

1010 Speech Communication 3 credits
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.

2090 Play Production 3 credits
Technical areas of play production; function of theater technicians and management; use of stage through lights, set design, costume design, actors and directors; problems of play selection; producing and publicity; role interpretation and acting; theatrical and dramatic analysis of selected plays. Practical experiences in classroom and Dramatics Society production.

2113; 2114 Theater Arts 3 credits
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.

2910, 2911 Art of the Actor 3 credits
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.

2930 Techniques of the Director 3 credits
Theoretical and practical bases for understanding what the artistic director must do in

preparation and rehearsal of a theatrical production to evoke the ideas, themes, and values of the playwright; working rehearsals in class to clarify acting, stagecraft, lighting, costuming, makeup, music, and movement for the stage.

4001, 4002 Oral Interpretation of Literature 3 credits
Development of improved vocal and interpretation skills for the oral communication of literature; analysis and performance of prose, poetry, and drama selections.

4210 Storytelling 3 credits
The art of storytelling and the oral tradition. Students examine familiar story themes, develop critical judgment in choosing material, and practice storytelling techniques and skills. Also focuses on integrating storytelling into various professions, including teaching, law, and business.

4901, 4902 Independent Study
See Academic Information and Policies section.

STATISTICS (STAT)

1021 Introduction to Statistics 3 credits
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 1320 and 1460 for Mathematical Statistics and Probability Theory

TAX (TAX)
See Accounting

WOMEN'S STUDIES (WMNS)

MINOR: Stern College for Women
Fifteen credits. The women's studies minor offers students the opportunity to take an inter-disciplinary approach to the study of women and society. Following the required introductory course, ENGL 2901, students may choose from among designated courses in the departments of art, English, history, Jewish studies, psychology, and sociology. Specific courses counting toward the minor are listed in the course schedule for each semester.