



# Honors Course Booklet

## Fall 2016

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## Honors Degree Tutorial

*Open to Honors Degree candidates only. A tutorial allows a small number of students to work intensively with a faculty member on a set of selected readings. Typically, no examinations are given, but written work is required and students should expect to do significant independent study in preparation for group discussions. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. It also satisfies an Arts & Sciences Group A and the Second Writing requirements. To enroll in this course you must complete the [Fall Tutorial and HD Seminar Form](#).*

**UNIV 490-080**

**Honors Tutorial:**

**Books that Blow Your Mind**

*Fox, Alan*

This Honors Tutorial will be run as a graduate-style seminar. That means no lectures. I will fill in the blanks in order to contextualize the more obscure works, but I am expecting that students will not just read the books superficially, but will actually engage them. I will expect a short, typed, written response essay each week concerning the reading. The grade for the tutorial will be based on the quality of your essays as well as the quality of your engagement and participation in the group discussion. Books we will read include the following, all of which involve radical shifts in perspective: Plato's *Republic*; *Ishmael* by Daniel Quinn; *Flatland* by Abbott; *Sophie's World* by Gaarder; *Civilization and Its Discontents* by Freud; *The Denial of Death* by Becker; *The Sirens of Titan* by Vonnegut; *Zen and the Art of Motorcycle Maintenance* by Pirsig.

## Honors Degree Seminar

*Open to Honors Degree candidates only. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters prior to graduation. It also satisfies an Arts & Sciences Group A and the Second Writing requirements. To enroll in this course you must complete the [Fall Tutorial and HD Seminar Form](#).*

**UNIV 495-080**

**Honors Degree Seminar:**

**Contemplative Ecology**

*Jenkins, McKay*

Despite decades of scientific research and political activism of all kinds, we are still confronted with frustrating and daunting environmental problems, including climate change, species extinction, toxic chemicals and cancer. This course will examine the psychological, spiritual, and sociological roots of environmental problems, and turn to global wisdom traditions (Taoism, Buddhism, Native American, mysticChristian, etc) to look for possible solutions. Texts may include: *Tao Te Ching*, by Lao Tzu; *Ancient Futures: Learning from Ladakh*, by Helen Norberg-Hodge; *Black Elk Speaks*, edited by John Neihardt; *The Blue Sapphire of the Mind: Notes for a Contemplative Ecology*, by Douglas Christie; and *The Art of the Commonplace*, by Wendell Berry

# Departmental Courses

*Only Honors students with grade point indexes of 3.00 or higher are eligible to register for Honors courses. Please note: After grades are posted for the current semester, students registered for Honors courses who do not meet the minimum required 3.00 grade point index will lose enrollment in any Honor courses.*

## **Accounting (ACCT)**

### **ACCT 207-080 Accounting I (Free-Standing)**

Paretta, Robert

This course introduces the concepts and principles underlying financial accounting and external reporting in an enhanced learning environment. In addition to learning how transactions and adjusting entries affect items on balance sheets and income statements, the specific Honors content of this course will enable students to understand accounting methods, standards, and terminology so they can prepare, interpret and evaluate financial statements. Contemporary issues in corporate reporting of publicly traded companies will also be discussed and students will learn how to: 1) Use financial ratio and fluctuation analysis to identify red flags in financial statements, and 2) Research financial data of international publicly traded companies filed with the Securities and Exchange Commission (SEC) using the SEC's Electronic Data Gathering and Retrieval (EDGAR) database system. Each student will be assigned a publicly traded company to analyze. *RESTRICTIONS: Not open to freshmen.*

### **ACCT 315-080 Intermediate Accounting I (Free-Standing)**

Paretta, Robert

This course is an enhanced version of the normal Intermediate I course. It is designed to provide Honors students a foundation for professional training as accountants in intermediate financial accounting topics under US GAAP and offer the background required for passing the related topics on the CPA exam. The course goals are to provide students' knowledge that goes beyond the basics for: 1) Recording more advanced accounting transactions. 2) Analyzing transactions in order to prepare adjusting entries. 3) Preparing financial statements that include more advanced items. 4) Understanding the main differences between financial reporting under US GAAP and IFRS. *PREREQ: ACCT207, ACCT208. RESTRICTIONS: Requires sophomore status.*

### **ACCT 316-080 Intermediate Accounting II (Free-Standing)**

Paretta, Robert

This course is an enhanced version of the normal Intermediate II course. It is a continuation of the 315 Honors class and is designed to provide Honors students a foundation for professional training as accountants in intermediate financial accounting topics under US GAAP. It offers the background required for passing the related topics on the CPA exam. The course goals are to provide students knowledge that goes beyond the basics for: 1) Recording more advanced accounting transactions. 2) Analyzing transactions in order to prepare adjusting entries. 3) Preparing financial statements that include more advanced items. 4) Understanding the main differences between financial reporting under US GAAP and IFRS. *PREREQ: ACCT315. RESTRICTIONS: Requires junior status and a grade of C- or better in ACCT315.*

### **ACCT 425-080 Strategic Information Systems and Accounting (Add-On)**

Basoglu, Kamile Asli

This course explores the role of accounting and information systems in accomplishing the strategic goals of the business entity. Students will be exposed to accounting information systems and the Web 2.0 environment, the XML (Extensible Markup Language) foundation and two XML vocabularies (UML

and XBRL), enterprise-wide computing, Web Services, Sarbanes-Oxley internal control framework, and cases, projects, and readings related to strategic information systems in business. Honors students will be required to complete a research project addressing a current topic in AIS (determined each semester) and submit a paper with the results. *Open to Honors JR & SR ACCT majors only. PREREQ: ACCT 302 & ACCT 316. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

## **Animal and Food Science (ANFS)**

### **ANFS 101-080 Animals, Science and Society (Add-On)**

Griffiths, Lesa/Gressley, Tanya

This course involves an in-depth look each week at specific disciplines discussed in ANFS 111. Dairy animals are used as a model to focus on current management practices related to nutrition, genetics, health and behavior. Students will be assigned a hands-on project to monitor and evaluate growth and health of a calf. In addition, students will critically evaluate scientific papers and develop their own paper related to a current issue in animal science. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *COREQ: ANFS 111 (mandatory for majors). Offered in Fall only. Open to incoming Honors ANFS majors only. Meets with the regular section and for a weekly honors-only discussion.*

### **ANFS 230-080 Foodborne Diseases: Investigating Outbreaks (Add-On)**

Kniel-Tolbert, Kalmia Elisabeth

This course is a critical review of foodborne and waterborne outbreaks of viral and parasitic origin. It will present current issues in light of developments related to food safety and public health. Emphasis on factors that influence the outcome of an outbreak, including: emerging pathogens, virulence factors, epidemiological techniques, rapid detection methods, and quantitative risk assessment. Honors students will examine, in depth, the role of epidemiology in given case studies, while studying current case studies and even writing their own. Gain a new outlook on foodborne illnesses through contemporary readings and analysis of current media coverage. *Meets with the regular section and at an additional time that will be decided upon by the consensus of students and faculty.*

### **ANFS 332-080 Introduction to Animal Diseases (Add-On)**

Keeler, Calvin/Parcells, Mark Steven

This course focuses on the nature and mechanisms of disease processes with emphasis on their prevention and control. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: ANFS140. Meets with the regular section.*

### **ANFS 418-080/080L Swine Production (Add-On)**

Griffiths, Lesa G

This course covers the principles of modern swine production: nutrition, reproduction, housing, health and management. Please contact the instruction for the specific Honors components and the grading rubric for the Honors work. *PREREQ: ANFS101 and ANFS 251. RESTRICTIONS: Laboratory requires some out-of-class time for hands-on experience in animal production. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets after the regular section.*

### **ANFS 441-080 Repro Physio Domestic Animals (Add-On)**

Dyer, Robert M

The course will be conducted as a semester long laboratory to orchestrate a commercially relevant ovulation pre-synchronization, ovulation synchronization and timed artificial insemination program

using adult cattle from the University of Delaware dairy herd. The overarching goal of this laboratory is to gain an understanding of how pharmaceutical manipulation of bovine female reproductive cyclicity is accomplished. Students will work as a team to conduct a presynchronization program, an ovulation synchronization program, a timed artificial insemination program and a pregnancy diagnosis program on 10-12 university cows. Hormonal responses will be determined on each cow throughout the program to show students the endocrinologic events associated with these programs. Students should gain a greater understanding of how basic endocrinologic events governing bovine female cyclicity are pharmacologically altered in order to accomplish estrous synchronization, estrus per se, ovulation and pregnancy in bovines. Students should strive to incorporate into the laboratory, the endocrinologic, anatomic and physiologic concepts discussed in class concerning follicle growth, development and ovulation, hypothalamic control of follicle growth and ovulation and corpus luteal function. Moreover, students will be required to integrate the basic concepts of fetal/maternal signals and fetal-placental endocrinology of pregnancy into a logical discussion of the pregnancy or absence of pregnancy in the synchronized cows. *PREREQ: ANFS140. BISC306 strongly recommended. Meets with the regular section.*

**ANFS 451-087 Seminar: Emergency Animal Management (Add-On)**

Benson, Eric

All animals are at risk during a disaster. Recent disasters such as Hurricane Katrina have illustrated the potential problems and pitfalls that can occur during a widespread weather event. Diseases, weather, and human centered activity can cause tremendous disruption to companion animals and animal agriculture. Emergency Animal Management has far reaching consequences from local and national policy through implementation. The course will address Emergency Animal Management from the roles of individual owners, state and government agencies, and private veterinarians. Emergency response often utilizes a framework that includes surveillance, quarantine, treatment, disposal, and disinfection. This course will discuss the procedures and processes used for each of the major steps and address the impacts on discuss livestock, companion animal, and specialty animals. Current events showcase the importance of emergency animal management. During the 2014 course, Ebola reached pandemic stage. As we lead into the 2015 course, an outbreak of highly pathogenic avian influenza in commercial poultry has spread across parts of the United States and now threatens the Delmarva Peninsula. The concepts in the course are timely and essential. The Honors section will concentrate on societal and ethical considerations of emergency animal management. *Meets with the regular section.*

**Anthropology (ANTH)**

**ANTH 104-080 Introduction to Archaeology and Biological Anthropology (Add-On)**

Rocek, Thomas

This course examines the fossil and archaeological record of human biological and cultural evolution, emphasizing how archaeological and biological anthropological research is conducted, and how the treatment of data distinguishes these as scientific disciplines. Honors students meet with the instructor approximately every two weeks to discuss additional readings relating to biological and cultural evolution. They also prepare a writing assignment based on selected articles on biological evolution, and carry out several projects exploring archaeological methods in consultation with the instructor. *Neither ANTH major nor degree credit for ANTH102 or ANTH103 will be granted if ANTH104 is taken. Some seats reserved for first-year incoming Honors ANTH majors. Meets with the regular section.*

**ANTH 202-080 Genes Bones Human Evolution (Add-On)**

Rosenberg, Karen

This course will be a survey of the human fossil record from the origin of the human species to the establishment of agriculture. Topics include evolutionary theory, anatomical interpretation, and

reconstruction of early social behavior. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

### **ANTH 210-080 Peoples & Cultures of Southeast Asia (Add-On)**

Sloane-White, Patricia

This course joins students at UD with students at Universiti Tunku Abdul Rahman (UTAR), a young and dynamic university in Kuala Lumpur, Malaysia. The objective of the experience is to seek to understand, debate, and clarify for participants the nature of being young, educated, and technologically connected in “borderless” global capitalist modernity. Students in both settings will share the same syllabus and jointly read, discuss, debate, and analyze key theoretical, ethnographic, and popular literature on globalization, modernization, culture, race and ethnicity, religion, economy, and social life in both societies . . . and explore and learn each other’s worlds. In the *first* seven weeks of the class, students at UD meet twice a week to explore aspects of Malaysian culture, society, history, religion, and politics. In the *second* seven weeks of the class, students interact twice a week directly with students in Malaysia via videoconference. The videoconference segment of the course is structured to engage the two groups of students in shared, face-to-face cultural explorations in which they teach each other about their lives: viewing films that explore themes concerning contemporary culture and social values; examining the nature and meanings of each culture’s consumer and popular culture; discussing fashion, modern desires and trends among young people, and sharing ideas about global cultural influences and the role of culture, beliefs, ethics, tradition, and identity in both settings. Honors students will be required to keep a detailed journal recording and analyzing their on-going understanding and engagement with the Malaysian students and write a final paper reflecting on the experience. *Requires permission of instructor. Meets with the regular section.*

### **ANTH 222-080 Technology and Culture (Add-On)**

Roe, Peter G

This course covers primitive and pre-industrial technologies, theoretical issues of innovation, diffusion and adaptation, and the relationship between technology and other aspects of culture. Honors students must write an extended research paper that extends the analysis of the theoretical component, the cultural dimensions of technology. A research paper proposal and outline are required assignments. *Meets with the regular section.*

### **ANTH 404-080 Human Osteology (Add-On)**

Rosenberg, Karen

This course will include the identification of the human skeleton, including complex and fragmentary materials. Topics include basic bone growth, bone pathology, paleopathology and forensic identification. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section. RESTRICTIONS: Requires permission of instructor.*

### **Applied Economics and Statistics (APEC)**

#### **APEC 150-080 Economics of Agriculture & Natural Resources (Add-On)**

Palm-Forster, Leah H.

This course provides an introduction to economic and management principles and their applications to agriculture, natural resources, and the environment. Students enrolled in the honors section will be responsible for all of the material in APEC150, as well as additional reading and writing assignments. In addition to attending the regular section, students enrolled in the Honors section will meet one additional time per week to discuss assigned readings and to use economic principles to analyze problems facing society. *Open to Honors freshmen and sophomores. Meets with the regular section.*

## **Art Conservation (ARTC)**

### **ARTC 301-080 Care and Preservation of Cultural Property (Add-On)**

Cassman, Vicki

This course will serve as an introduction to the practice of conservation, specifically conservation history, ethics, examination and documentation. The class will provide students with a basic knowledge of conservation terminology, conservation literature and research resources, methods of conservation documentation, and prepare students for conservation internships. Students enrolled in the Honors section will meet with the instructor for additional discussion and conservation projects oriented toward treatment or survey, with an additional writing assignment. *Open to ARTC majors only. Requires permission from the instructor. Meets with the regular section.*

### **ARTC 495-080 Preservation Capstone (Add-On)**

Cassman, Vicki

This course will call upon students to summarize and synthesize the previous three years of a student's undergraduate career in Material Culture Preservation major. The faculty completes the undergraduate experience and prepares students for their next step (job market or graduate school). The course will include career advisement and assessment of learning using exams, the creation of portfolios, and oral presentations of internship or research experiences. The Honors section will include an applied project working with conservation outreach, treatment, or survey project. This will require a final report and an oral presentation to the class or to ARTC 101. *This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets after the regular section.*

## **Art History (ARTH)**

### **ARTH 154-080, 080D Introduction to Art History: Renaissance to Modern (Add-On)**

Stone, David Marshall

This course will cover art and architecture from 1300 to the present studied in historical and cultural context. Topics include art and illusion, the altarpiece, portraiture, the nude, print culture, the changing image of the artist, photography, Impressionism, art and politics, Pop Art, and performance. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section. RESTRICTIONS: Usually offered in Spring semester.*

### **ARTH 208-080 Greek and Roman Art (Add-On)**

Petersen, Lauren

This course is an introduction to the art and architecture of ancient Greece and Italy. Emphasis on the meanings of art in political, religious, and social contexts in the cities of Athens, Rome, and Pompeii. Topics include the ancient Olympic Games, funerary monuments, and everyday life. Students will have the opportunity to travel to local museums to look at ancient art. Additionally, they will be asked to evaluate the exhibits by writing short response papers (no more than two). *Meets with the regular section.*

### **ARTH 213-080 Art of the Northern Renaissance (Add-On)**

Dominguez Torres, Monica

This course surveys the artistic developments in Northern Europe around 1350-1600, from their late medieval foundations to the art of the early modern cities. Pieces by Jan van Eyck, Rogier van der Weyden, Albrecht Dürer, Hieronymus Bosch, Hans Holbein, and Pieter Bruegel, among others, will be discussed within the context of contemporary working conditions, artistic patronage, courtly life, religious climate, and scientific developments. The course will explore major cultural and historic events such as the Protestant Reformation and the discovery of the Americas, and will look at how these events widened intellectual and religious horizons. Works discussed range from tapestries, altarpieces and illuminated manuscripts to churches, palaces and civic architecture. Honors students will take part of two

special activities designed to hone their close examination and analytical skills: a study session of Northern Renaissance Prints at the UD Museums collections, and a field trip to the Philadelphia Museum of Art. After each session, students write short reports on the technical and formal aspects of the original artworks examined. *Meets with the regular section.*

**ARTH 227-080 Modern Art: The 19<sup>th</sup> Century (Add-On)**

Werth, Mary

This course will examine the history and theory of art from 1789-1900, including neoclassic, romantic, realist, impressionist, and post-impressionist movements. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Meets with the regular section.*

**ARTH 301-080 Research and Methodology in Art History (Add-On)**

Chapman, H. Perry

The course examines the methods and major approaches to advanced art historical study, together with the practical aspects of research and work in art historical professions such as education, historic preservation, museums, and galleries. The course offers experience with original works of art. Students enrolled in the Honors section will have additional opportunities to discuss critical readings on Art History as a discipline, learn to do archival and museum research, and attend and discuss lectures by professionals in the field. *Open to JR and SR ARTH majors only. Meets with the regular section.*

**ARTH 406-080 Seminar: Medieval Jerusalem (Add-On)**

Nees Jr., Lawrence

This seminar for Honors and graduate students will focus on Jerusalem during the medieval period, mainly from the Muslim conquest in the seventh century CE to the later medieval period at the end of the Crusades. The seminar coincides with a major exhibition at the Metropolitan Museum of Art in New York. The course assumes no prior familiarity with Islamic or medieval art or culture on the part of the students who enroll, and will begin with essential background. *PREREQ: ARTH209 or ARTH210*  
*RESTRICTIONS: May be repeated for credit when topics vary. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

**ARTH 445-080 Seminar in East Asian Art (Add-On)**

Rujivacharakul, Vimalin

ARTH 445 this year is a project-based method seminar. Students will examine theories and historiographies of Greco-Buddhist art and architecture in conjunction with the construction of art historical canon in the 19th and 20th century and East-West exchange of knowledge. The Honors component will include interviews with museum curators and/or field archaeologists as well as independent research projects carried out under close supervision of the professor. *Requires permission from the instructor. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

**Biology (BISC)**

**BISC 207-080, 080L/081L Introductory Biology I and Lab (Free-Standing)**

Nauen, Jennifer

The course focuses on the basic structure and function of cells, mechanism of cell division, genetics, molecular biology and the chemistry of biology. Classes are a mix of lecture, problem set and discussion. The laboratory explores principles of experimental design, data presentation, and analysis. The lab addresses questions which relate to lecture content. In addition, it teaches technical laboratory skills, and

focuses on scientific writing and data presentation. *Open to incoming first-year Honors students only. COREQ: CHEM 103 or CHEM 111.*

**BISC 207-084/084L, 085/085L, 086/086L, 087/087L Introductory Biology I and Lab (Free-Standing)**

Hlousek-Radojicic, Alenka

The course focuses on the basic structure and function of cells, mechanism of cell division, genetics, molecular biology and the chemistry of biology. Classes are a mix of lecture, problem set and discussion. The laboratory explores principles of experimental design, data presentation, and analysis. The lab addresses questions which relate to lecture content. In addition, it teaches technical laboratory skills, and focuses on scientific writing and data presentation. *Open to incoming first-year Honors students only. COREQ: CHEM107. THIS IS AN INTEGRATED SECTION. Must also register for CHEM107 084 and 084L/085 and 085L/086 and 086L/087 and 087L.*

**Biomedical Engineering (BMEG)**

**BMEG 301-080 Quantitative Cellular Physiology (Add-On)**

Price, Christopher

This course studies mammalian cellular physiology from a quantitative viewpoint. Principles include i) cellular and molecular biology, ii) communication, integration, and homeostasis, iii) and nervous, musculoskeletal, and endocrine systems. Topics include molecular and cellular physiology, neurophysiology, musculoskeletal physiology, sensory physiology, somatic and autonomic nervous system physiology, and endocrine physiology. Please contact the instructor for the specific Honors components and the grading rubric for the *Honors work*. *PREREQ: BISC207, CHEM103, CHEM104, or CHEM107 and CHEM108, and MATH241. RESTRICTIONS: Open to BMEG students; ENGG students may take it with the instructor's permission. Meets with the regular section.*

**BMEG 450-080 Biomedical Engineering Design (Add-On)**

Buckley, Jennifer/Stephens, Jean/Wang, Liyun/Rooney, Sarah

This course includes open-ended team-based design projects in the medical devices or research arena. Topics include systems approach requiring design strategy and concepts, including reliability, safety, ethics, economic analysis, marketing, FDA regulations, and patents. Honors projects are developed in partnership with the faculty advisor and project sponsor and are commonly extensions of the core design project that is to be completed by the interdisciplinary student team. Honors projects may include, but are not limited to, benchtop or clinical research studies involving the application of the design project, computational or advanced engineering analysis of the design, or comprehensive literature review and manuscript preparation, again involving the design project or application. *Open to SR BMEG majors only. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

**BMEG 462-080 Engineering Biomedical Nanostructures (Add-On)**

Day, Emily

This course describes how to use the engineering design process to create, characterize, and evaluate nanoscale structures for biotechnological applications, with an emphasis on noble metal nanoparticles. Topics include understanding and exploiting the physical properties that emerge at the nanoscale; precisely engineering the architecture and properties of noble metal nanoparticles; and rationally designing experiments to evaluate nanomaterials in biological/biomedical settings. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: BMEG301 or equivalent. RESTRICTIONS: Open to BMEG students; other students may take the course with the instructor's permission. Meets with the regular section.*

## **Business Administration (BUAD)**

### **BUAD 110-080 Basics of Business** *(Free-Standing)*

Sivaraman, Anuradha

This course is an introduction to business for majors to inform them about each of the functional areas of business through lectures, readings, discussions, guest speakers, cases and projects. The course will include topics relating to operations, marketing, finance, management, accounting and management information systems, as well as business ethics, and critical thinking and decision making. *Open to Honors FR BE majors only.*

### **BUAD 110-081 Basics of Business** *(Free-Standing)*

Moffa, Lou

This course is an introduction to business for majors to inform them about each of the functional areas of business through lectures, readings, discussions, guest speakers, cases and projects. The course will include topics relating to operations, marketing, finance, management, accounting and management information systems, as well as business ethics, and critical thinking and decision making. *Open to Honors FR BE majors only.*

### **BUAD 301-080 Introduction to Marketing** *(Free-Standing)*

Staff

This course provides students with a foundation in Marketing. Topics include marketing strategy, marketing research, consumer behavior, product planning, pricing, personal selling and advertising, as well as current trends in marketing. Students will begin to understand what marketing is all about, both from the perspective of an organization and that of the consumer. *All seats reserved for Honors BUAD majors. Requires sophomore status. Open to majors only.*

### **BUAD 306-080 Service and Operations Management** *(Free-Standing)*

Kydd, Christine

All businesses need the basic functions of Finance, Marketing, Management, and Operations Management to operate effectively. Operations Management is the function that makes the firm run efficiently while producing the firm's products or providing the firm's services to customers. Learn how a company can enhance its bottom line by improving the way that it forecasts sales, schedules production, manages inventory, and performs quality control. This class incorporates active learning opportunities for students as they learn how to apply decision-making models to make better business decisions. The class includes group projects in which some of the models will be applied to business settings to improve the operation of the firm. *Open to students whose majors require the course. PREREQ: MATH201. Requires junior status.*

### **BUAD 441-087 Strategic Management** *(Free-Standing)*

Watson, Sharon

Strategic management is a course about the decisions top managers make that determine the future directions of the organization. Topics include identifying and evaluating a firm's strategy, analysis of a firm's competitive position within its industry, and understanding how firms create and sustain a competitive advantage. We also will study corporate diversification, merger and acquisition strategies and strategies for competing globally. The goal of the course is to provide students with the concepts and analytical tools needed to better evaluate the strategic moves top managers make to improve their firm's competitive performance. Honors students will engage in in-depth class discussions of business cases, complete projects involving a high level of teamwork, and develop and deliver professional presentations in a case competition. *Open to SR HD candidates only. RESTRICTIONS: Requires senior*

*standing in business administration, finance or accounting. PREREQ: BUAD 301, BUAD 306, BUAD 309, & FINC 311. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. IMPORTANT NOTE: This course will be offered as an Honors course in the Fall semester only.*

## **Cognitive Science (CGSC)**

### **CGSC 330-080 Philosophy of the Mind (Add-On)**

Adams, Frederick

In this course we will consider some of the traditional problems associated with the mind body problem. For example: Is the mind the brain or is it nonphysical? What makes something a mental state or a mind? We shall also look at some of the more recent issues in philosophy of mind. We will consider work on the nature of consciousness and look at claims about whether we can make computers that can think. We will close by looking at work in cognitive ethnology where the goal is to discover as much as we can about the minds of nonhuman animals. The grades will be determined on the basis of quizzes, short papers, and a final exam. The format will be lecture and discussion. Class participation will be an important component of the course. The Honors experience will involve additional readings summaries and opportunities to attend campus lectures on topics related to the material for the course. *Cross-listed with PHIL 330-080. Meets with the regular section.*

### **CGSC 475-080 Senior Seminar in Cognitive Science (Add-On)**

Andreasen, Robin

This course includes the intensive study of topics in cognitive science, such as mental representation, vision, computational modeling, and disorders. *RESTRICTIONS: May be repeated for credit as topic changes. Meets with the regular section.*

## **Chemical & Biomolecular Engineering (CHEG)**

### **CHEG 231-080/081 Chemical Engineering Thermodynamics (Add-On)**

Buttrey, Douglas/Enszer, Joshua

This course covers the following topics: the first law energy balance; the entropy balance; thermodynamic constitutive equations for gases and liquids; thermodynamic cycles and energy conversion; and stability. It also examines Kinetic Theory and Partition functions. Students enrolled in the Honors sections of Chemical Engineering Thermodynamics will attend an additional one hour lecture each week. The Honors section will discuss course topics in greater depth and introduce students to the molecular theory of thermodynamics, including the statistical thermodynamics of the ideal gas, liquids and solids. Advanced modeling with the ASPEN software package will be introduced. *PREREQ: A minimum grade of C- in CHEG 112 or, for environmental engineering majors, in CIEG 233. A minimum grade of C- in MATH 243. Meets with the regular section.*

## **Chemistry and Biochemistry (CHEM)**

### **CHEM 103-080 Lecture & 080, 081 Lab/Discussion General Chemistry (Free-Standing)**

Graves, Kimberly

CHEM 103 examines the basic principles necessary to understand the composition, properties, and reactivity of matter. The topics will include: atomic theory, chemical reactions, stoichiometry, thermochemistry, molecular structure, bonding, and states of matter. The course is designed for students majoring in the sciences and engineering; one year of high school chemistry is assumed. The course format is lecture-based with critical thinking and problem solving emphasized through class discussions and group problem solving exercises. The laboratory provides hands-on experiences to complement and reinforce the concepts discussed in class. *NOTE: Enroll separately for both a lecture and a lab section.*

*Open to incoming first-year Honors students only. PREREQ: one year of high school chemistry. COREQ: MATH 114 or higher. Students whose MATH Placement Examination score placed them in MATH-221 or higher need not take a MATH course coincident with CHEM-103. RESTRICTIONS: For majors in the physical and natural sciences, mathematics and engineering. Only one course among CHEM101, CHEM103, CHEM105, CHEM107, and CHEM111 can count toward graduation.*

### **CHEM 107-084/084L, 085/085L, 086/086L, 087/087L General Chemistry Life Sciences I**

*(Free-Standing)*

Fajardo, Jacqueline

CHEM 107 examines the basic principles necessary to understand the composition, properties, and reactivity of matter. The topics will include: atomic theory, chemical reactions, stoichiometry, thermochemistry, molecular structure, bonding, and states of matter. The course is designed for students majoring in the sciences and engineering; one year of high school chemistry is assumed. The course format is lecture-based with critical thinking and problem solving emphasized through class discussions and group problem solving exercises. The laboratory provides hands-on experiences to complement and reinforce the concepts discussed in class. NOTE: Enroll separately for both a lecture and a lab section.

*Open to incoming first-year Honors students only. COREQ: MATH 114 or higher. MATH115 or MATH117 strongly recommended. RESTRICTIONS: For majors, primarily in the biological, agricultural, and health sciences, as well as biomedical engineering, whose plan of study requires both CHEM107 and BISC207. Only one course among CHEM101, CHEM103, CHEM105, CHEM107, and CHEM111 may count toward graduation. Must also register for BISC 207-084 & 084L/085 & 085L/ 086&086L/087&087L.*

### **CHEM 111-080& 080D, -081 & 081D, -082 & -082D**

**General Chemistry for Majors and Chemical Engineering** *(Free-Standing)*

Groh, Susan E

CHEM 111 Honors is the first half of a yearlong, in-depth exploration of fundamental principles underlying modern chemistry and biochemistry for biochemistry, chemistry, chemical engineering and environmental engineering majors. CHEM 111 Honors focuses on the molecular-level characteristics and behavior of matter. Topics addressed include atomic theory; stoichiometry; the physical atom and mass spectrometry; structures, behavior and reactions of ionic compounds; electronic structure and periodicity; structures and bonding models of covalent compounds; metallic bonding and band theory, and the behavior of gases. Examples and applications are drawn from a variety of disciplines and situations to illustrate the power of "thinking molecularly" in modern science. The course format incorporates problem-based learning and other active learning strategies in addition to lectures and group discussions. The Honors section presupposes that students have mastered the equivalent of a strong high school chemistry course, and moves at a pace appropriate for that background. Compared to the regular section, CHEM 111 Honors explores the topics above in greater depth and with broader extensions. Class assignments and exams emphasize analysis and application of ideas in addition to core knowledge. *Open to incoming first-year Honors students only. PREREQ: Minimum of one year of high school chemistry; two years strongly recommended. COREQ: CHEM 115 (for CHEM, BIOCHEM and CHEM ED majors) and MATH117 or higher MATH course. RESTRICTIONS: For biochemistry, chemistry, and chemical engineering majors.*

### **CHEM 115-080/081L, 082L, Introduction to Chemical Science** *(Free-Standing)*

Munson, Burnaby

This course is laboratory based and focuses on aqueous inorganic chemistry: synthesis and characterization. There will be individual, pair, and group experiments with required reports. Topics include: Acid/base equilibria; Solubility and  $K_{sp}$ ; Conductivity. *COREQ: CHEM 111. RESTRICTIONS:*

*For first-year BS majors in Chemistry and Biochemistry. Fall semesters only. Open to incoming Honors first-year majors only.*

**CHEM 331-080, 081D, 082D Organic Chemistry (Free-Standing)**

Chain, William (Chain, William/Reid, William for 081D, 082D)

This course covers major classes and reactions of organic compounds, emphasizing stereochemistry, reaction mechanisms and synthetic methods. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: CHEM104, CHEM108, CHEM112 or CHEM120. COREQ: CHEM333. RESTRICTIONS: For chemistry, biochemistry, chemical engineering and other majors desiring fuller treatment than in CHEM321. CHEM321 and CHEM331 cannot both count toward graduation.*

**CHEM438-080L Instrumental Methods Laboratory (Add-On)**

Staff

This course covers the application of spectroscopic, chromatographic and electroanalytical techniques to the solution of chemical problems. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: CHEM120 or CHEM220 or CHEM221.*

*RESTRICTIONS: May be taken concurrently with or after CHEM437. Meets with the regular section.*

**CHEM 443-080 Physical Chemistry I (Add-On)**

Staff

This course includes the application of the principles and methods of mathematics and physics to the quantitative study of chemistry, focusing on thermodynamics. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: CHEM120, or CHEM220 and CHEM221; MATH242 (MATH243 recommended); PHYS208 (recommended) or PHYS202. CHEM418 and CHEM443 cannot both be counted toward graduation. Meets with the regular section.*

**CHEM 445-080L Physical Chemistry Lab I (Free-Standing)**

Munson, Burnaby

This course examines the physical methods for studying properties and reactions of matter. Please contact the instructor for specific Honors components. Course will include research with faculty in CHEM/BIOC or development of new laboratory experiments. *PREREQ: CHEM120, or CHEM220 and CHEM221; MATH242 (MATH243 recommended); PHYS208 (recommended) or PHYS202. To be taken concurrently with or subsequent to CHEM418 or CHEM443 or CHEG231. Requires permission of instructor. RESTRICTIONS: CHEM418 and CHEM443 cannot both be counted toward graduation. Meets with the regular section.*

**Chinese (CHIN)**

**CHIN 200-080 Chinese Grammar and Composition (Add-On)**

Yang, Haihong

This course aims at a further development of all four language skills which the students have acquired from the 100-level CHIN courses. In particular, the course emphasizes a further study of advanced Chinese grammar and basic essay writing. In this course students will not only learn authentic Chinese in terms of idiomatic usages, familiar sayings, and sophisticated grammar structure, but get to know Chinese society and culture as well. By the end of this course, students should have commanded around 250 new words and/or phrases in order to engage in a linguistically and culturally sophisticated communication in Chinese. Honors students will read one more essay and give an oral presentation on that essay. *PREREQ: CHIN 107 or instructor's permission. Meets with the regular section.*

**CHIN 204-080 The Art of Chinese Calligraphy (Add-On)**

Tu, Chung-Min

This course will require students to hand in a 5 page short paper on the interactive dynamics between Chinese calligraphy and other realms of Chinese culture, such as philosophy, religion, medicine and literature. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

**CHIN 350-080 Business Chinese (Add-On)**

Dong, Zhiyin

CHIN350 aims to prepare students for effective communication in casual and formal business settings in Chinese society. This course incorporates discussion of Chinese business culture and etiquette in order to promote socially appropriate language use. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: Two CHIN courses at the 200 level and one CHIN course at the 300 level, with the exception of CHIN 206. Meets with the regular section.*

**CHIN 451-080 Seminar: Advanced Readings in Chinese Literature and Culture (Add-On)**

Yang, Haihong

This course aims to improve students' reading and writing proficiency through rigorously reading and responding to literary works and essays related to the issues facing Chinese intellectuals. Students will have chance to develop their skills to accomplish abstract reasoning in addition to being able to narrate and describe. The selected essays will provide an intensive look at some of the most important social and cultural issues in modern and contemporary China. The course may have a dual-track approach, requiring the completion of both class-wide and individually designed projects. Honors students will read one more essay and give an oral presentation on that essay. *PREREQ: CHIN355 and CHIN350. RESTRICTIONS: May be repeated one time for credit. Meets with the regular section.*

**Civil and Environmental Engineering (CIEG)****CIEG 211-080 Statics (Add-On)**

Jayne, Allen

This course includes an analysis of force systems and equilibrium of rigid bodies in two and three dimensions, a determination of centers of gravity and of centroids, and an analysis of statically determinate trusses, simple frames and "machines." The Honors section will involve additional 50-minute meetings with the course instructor to investigate real world applications of the concepts being covered in class. Students will solve problems in teams, and will research relevant problems individually and present the results to each other. *COREQ: MATH 243. Open to CIEG majors and minors. Meets with the regular section.*

**CIEG 301-080 and 080L Structural Analysis (Add-On)**

McConnell, Jennifer

This course discusses design procedures and criteria, moment, shear, and axial force diagrams of statically determinate structures like beams, frames, and arches. It also includes a discussion of displacement, stress, and stability analyses of statically determinate and indeterminate structures, using differential equations. There is a discussion of energy methods and an introduction to matrix methods. Honors students will have several extended homework assignments as well as one extra assignment in form of a small project or a paper review. *PREREQ: CIEG 212, MATH242. Open to CIEG majors and minors. Meets with the regular section.*

**CIEG 461-080 Senior Design Project (Add-On)**

Paul, Michael

This course will include work with off-campus faculty from engineering firms on a multi-discipline, team-based design project requiring knowledge and skills acquired in previous courses, producing a proposal for engineering services and the preliminary engineering for the project. Honors students perform a critical review, as a group, of selected course content, and they orally present a summary of the same to the course coordinator at the end of each semester. *Open to SR CIEG majors only. This course satisfies the Senior Capstone Requirement for the Honors Degree if taken in one of the last two semesters before graduation and if both semesters (4 cr.) are taken for Honors credit. Meets with the regular section.*

### **CIEG 486-080 Engineering Project Management (Add-On)**

Lee, Earl

This course aids in understanding the principles of planning, controlling, and evaluating engineering projects. Students will learn the use of tools and techniques and practice their use on a personal project. Topics include project organization, project budgeting and scheduling, resource allocation and leveling, change control, and communications. The Honors section will complete two case studies with written reports and an in class presentation on one of the cases. *Open to CIEG majors and minors only. Meets with the regular section.*

### **Computer and Information Science (CISC)**

**CISC 106-080/081/082, 080L, 081L, or 082L General Computer Science for Engineers (Free-Standing)**

Harvey, Terrence

This course analyzes principles of computer science illustrated and applied through programming in Python, and an introduction to MATLAB. Programming projects illustrate computational problems, styles, and issues that arise in engineering computation. Students are expected to think creatively, analytically, and critically as they design solutions to under-specified problems, and then represent their solutions in a programming language. Students will learn about good programming style and will be graded on style and efficiency in both assignments and exams. All students are expected to participate verbally in class, and to work on some assignments in teams. Most programming will be done in pairs, although students will be expected to write code alone during exams. The Honors section has programming projects that are significantly more challenging than those assigned in the regular section. Previous programming experience is not a prerequisite to CISC106, but material is delivered more quickly and in more depth in the Honors section. *Open to incoming Honors first-year EG majors only. COREQ: MATH241 or any higher level MATH course. Students may not receive credit for both CISC106 & CISC108.*

### **CISC 108-080 & 080L Introduction to Computer Science I (Add-On)**

Decker, Keith

Computational thinking is a way humans solve problems; a creative outlet; a way to express abstract ideas in a tangible form. Everyone should learn how to use computational thinking to analyze problems and design computational solutions, even if they do not study Computer Science. Topics include functional programming, data abstraction, procedural abstraction, use of control and state, recursion, testing, and object-oriented programming concepts. Projects include graphical games. This course requires no prior programming experience, and only high-school algebra. Lecture meets with a regular section; the Honors content is in the lab and uses more advanced assignments. Past examples include the development of dynamic web content, networked graphical games, and smartphone app development. *Some seats reserved for incoming Honors first-year majors. COREQ: MATH115, MATH117, or any higher-level math course or math placement level. Student may not receive credit for both CISC106 & CISC108. Meets with the regular section.*

### **CISC 220-080& 080L Data Structures (Free-Standing)**

Rasmussen, Christopher

This course includes the review of data type abstraction, recursion, arrays, stacks, queues, multiple stacks and linked lists. There is an emphasis on dynamic storage management, garbage collection, trees, graphs, tables, sorting and searching. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: A minimum grade of C- in CISC181. COREQ: MATH 210 or MATH 241.*

### **CISC 475-080/080L Advanced Software Engineering (Add-On)**

Boykin, James

Through this course you will understand and apply a complete modern software engineering process. Topics include: requirements analysis, specification, design, implementation, verification, and project management. Real-life team projects cover all aspects of the software development lifecycle, from the requirements to acceptance testing. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: Either CISC275. CISC361 is recommended. Open to SR students only. Credit cannot be received for both CISC475 and CISC675. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

## **Communication (COMM)**

### **COMM 256-080 Principles of Communication Theory (Add-On)**

Mortenson, Steven/Perse, Elizabeth

Students will see communication theories illustrated in the ongoing research projects of published scholars. Experts will visit class to speak about their research. Topics range from political communication, internet-based communication, cultivation of violence and sex-roles, persuasion, and intercultural communication. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Open to incoming Honors COMM Interest majors only. Meets with the regular section for lecture; separate Honors discussion.*

### **COMM 341-080 Theories of Interpersonal Communication (Add-On)**

Pavitt, Charles

This course includes an in-depth study of a set of issues relevant to interpersonal communication. Along with the responsibilities of students enrolled in COMM341-010, each student enrolled in the Honors component will generate a theory relevant to a topic area of her or his interest. *Open to Honors COMM and COMI majors only. Meets with the regular section.*

### **COMM 370-080 Theories of Mass Communication (Add-On)**

Angelini, James

This course is “an examination of the foundations and development of theories of mass communication.” Students enrolled in the honors section will explore mass communication theories illustrated in the ongoing research projects of published scholars. Throughout the semester experts will visit class to speak about their research and the theories upon which it is based. Students meet with the regular section of COMM370 and have a separate, weekly Honors discussion. *Open to Sophomore, Junior, and Senior COMM majors only. Meets with the regular section.*

## **Computer Engineering (CPEG)**

### **CPEG 460-080 Introduction to VSLI Systems (Add-On)**

Kiamilev, Fouad

This course is a study of CMOS VLSI devices, circuits and systems implemented in VLSI. There will be use of CAD tools for the design and simulation of VLSI. Topics include the performance and limitations of VLSI systems, low level circuit design and system design with an emphasis on digital systems. There will be a major chip design project required. The Honors component of this course is that students are asked to prepare additional materials for their design project. The design project counts as 50% of the grade in CPEG460. *RESTRICTIONS: Students should have previous knowledge of logic design and MOS transistor operation. Meets with the regular section.*

### **CPEG 498-080 Senior Design I (Add-On)**

Cotton, Charles

Students apply their accumulated classroom knowledge to an electrical and computer engineering design problem. Students work in small teams and must present their finished designs at the end of the term. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Cross-listed with ELEG 498-080. Meets with the regular section.*

### **Criminal Justice (CRJU)**

#### **CRJU 301-080 Introduction to Legal Studies (Add-On)**

Rise, Eric

This course introduces legal studies as a multidisciplinary field. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Open to Majors and Minors. Meets with the regular section.*

#### **CRJU 350-080 Gender and Criminal Justice (Add-On)**

Miller, Susan

Most of our knowledge about crime and the criminal justice process is informed by male experiences. This course shifts the focus to examine the ways our legal and social systems affect and influence women's lives. Not only will we examine the various formal and informal controls that restrict women, but we will also examine how these issues intersect one's race, class, sexual orientation, and gender positions in our society. Special criminal justice field experiences (police, courts, women's prison) will be part of the Honors component. *Cross-listed with WOMS 350-080. Open to Honors CRJU and WOMS majors only. Meets with the regular section.*

### **Economics (ECON)**

#### **ECON 101-080, 081 Introduction to Microeconomics: Prices and Markets (Free-Standing)**

Bayley, Elizabeth Barbara

This course introduces supply and demand concepts with basic economic graphs. It examines models of perfect and imperfect competition and the determination of product price and quantities and covers current microeconomic issues such as the effect of government regulation and environmental problems. The Honors students in this course develop a more extensive and critical understanding of the basic economic models. Students assume substantial responsibility for course content, including two oral presentations. *Most seats reserved for incoming first-year Honors students. COREQ: One of the following: MATH 114, MATH 115, MATH 117, MATH 221, MATH 241, MATH 242, MATH 243 or higher. Can be either a prerequisite or a corequisite.*

#### **ECON 101-082 Introduction to Microeconomics: Prices and Markets (Free-Standing)**

Asarta, Carlos

This course introduces supply and demand concepts with basic economic graphs and equations. It examines models of perfect and imperfect competition and the determination of product price and quantities. This course covers current microeconomic issues such as the effect of government

regulations and international trade. It develops a more extensive and critical understanding of the basic economic models. *COREQ: One of the following: MATH 114, MATH 115, MATH 117, MATH 221, MATH 241, MATH 242, MATH 243 or higher. Can be either a prerequisite or a corequisite. Most seats reserved for incoming first-year Honors students.*

### **ECON 103-080 Introduction to Macroeconomics: National Economy (Free-Standing)**

Brucker, Eric

This course analyzes the determination of unemployment, inflation, national income, and policy issues relating to how the government alters unemployment, inflation, and economic growth through control of government spending, taxes, and the money supply. Current issues, such as those relating to the current recovery in the United States, Federal Reserve monetary policy, and the impact of tax and spending measures on the severe recession of 2008-10, are used to illustrate the analysis. *PREREQ: ECON 101.*

### **ECON 301-080 Quantitative Microeconomic Theory (Free-Standing)**

Arnold, Michael

ECON301 more fully develops and extends microeconomic concepts introduced in Economics 101. The course develops models of consumer and firm behavior that serve as a foundation for further study in the fields of economics and business. The course begins by developing theoretical models of consumer choice and demand, and of firm production and costs. These models are then combined to analyze the impact of competition on market outcomes and to illustrate how microeconomic theory can be used to predict and explain how markets operate. The analysis is conducted using calculus, algebra, and graphical models. The Honors section incorporates more advanced problems than those required in non-honors sections. These problems challenge students to 1) apply tools developed in class to economic problems and settings that are not specifically addressed during class discussion 2) build on models developed in class to conduct more in-depth analysis, and 3) think about how additional mathematical concepts (not specifically covered in class but presented in the prerequisite mathematics courses) would be useful in conducting economic analysis. Six problem sets are assigned during the semester. The Honors course also includes a policy paper utilizing microeconomic theory to analyze a current policy question. *PREREQ: ECON 101 & MATH 221 or MATH 241 (recommended). Credit can be earned for only one among ECON251, ECON255, ECON300, or ECON301. Must earn C- or better in ECON101 and one of the following: MATH221, MATH222, MATH241, MATH242 or MATH243. Open to Honors ECON majors & minors & Honors MAEC majors only. BS Majors must take ECON301. Students who plan to earn an Honors Degree in Economics (BA or BS) must take ECON 301 Honors.*

### **ECON 308-080 Banking and Monetary Policy (Free-Standing)**

Lewis, Kenneth

This course covers the following topics: nature and economic significance of money, credit and the banking system; the origin and management of the money supply; effects of monetary changes on price levels, output, and employment. *Open to Honors ECON majors & minors only. PREREQ: ECON 103.*

### **ECON 340-080 International Economics (Free-Standing)**

Black, David

This course provides the tools to analyze issues in international trade and finance. We review international trade theories that attempt to explain the pattern of trade in goods and its welfare implications. We also look at current barriers to international trade and how government policy affects trade. Then we focus on the balance of trade and open-economy macroeconomics, in particular exchange rate determination and exchange regime choice. The Eurozone crisis is addressed as well as other contemporary issues in international economics. *PREREQ: ECON 101 & ECON 103. ECON340 cannot be taken for credit after ECON441 and/or ECON443.*

### **ECON 418-080 Economic History of American Labor Market (Add-On)**

Grubb, Farley

The American markets for immigrants, indentured servants, slaves, heroes, cowards, coal miners, and female workers are analyzed. Economic tools are used to study contract structures, incentives, and enforcement; labor law; worker compensations and risks; discrimination; labor market participation; compensating differentials; labor voice (unions); and labor choices of all kinds. These tools include microeconomic theory and statistical analysis of data. A selection of particular episodes of American labor market history between 1750 and 1990 are studied in depth to illustrate the economic forces at work and how economic tools can enlighten our understanding of how labor markets work. Honors students will, in addition to the requirements of the regular class, select a labor market topic from American history of their choice, with my approval, that is not directly addressed in the class, research it, and write a paper applying economic thinking and analysis to learn some new insight into their selected labor market topic. *PREREQ: One of ECON 251, ECON 255, ECON 300, or ECON 301. Meets with the regular section.*

### **ECON 435-080 Contemporary Macroeconomic Policy (Add-On)**

Seidman, Laurence

This course examines unfolding events in the economy and the actions of policymakers. Special emphasis is placed on current policy actions of the Federal Reserve. Macroeconomic models studied in earlier courses are used to analyze current events. The honors component will have several Honors group required discussion sessions and an extra short paper (in addition to all work, including papers, assigned to the non-honors students). *PREREQ: ECON303. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **ECON 436-080 Seminar in Public Policy Economics (Add-On)**

Craig, Eleanor

Students will read ten short books on current topics in economics, e.g., immigration, privatization, globalization, foreign aid, Canadian health care, African economic growth and poverty. They will choose 4 books on which to write papers, choosing a theme from each, and present their papers in a seminar fashion. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: One of ECON 251, ECON 255, ECON 300 or 301; and ECON 303. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters prior to graduation. Meets with the regular section.*

### **ECON 530-080 Application of Mathematics in Economics (Add-On)**

Edwards, David

This course provides students with experience in the application of mathematics in economics. Mathematical topics may include applications of ordinary and partial differential equations, game theory, linear programming, dynamic programming, stochastic programming and calculus of variations. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Cross-listed with MATH 530-080. PREREQ: MATH 302, MATH 349, ECON 301, and ECON 303. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

## **Education (EDUC)**

### **EDUC 205-080 Human Development: Grades K-8 (Free-Standing)**

Pemberton, Elizabeth

This course compares the development of elementary school-aged children (grades K-4) with middle school-aged young adolescents (grades 5-8). It focuses on developmentally appropriate educational practices for the different age groups, considering physical, socio-emotional, linguistic and cognitive development. In addition to discussing topics in class, students will mentor a child and a young adolescent in diverse after-school settings for a total of 10 sessions. *Open to Honors ETE majors, Disabilities Studies minors, and Educational Studies minors. Priority will be given to Honors ETE majors.*

### **EDUC 310-080 Reading and Writing in Elementary Schools (Add-On)**

Coker, David

This course addresses the literacy development of students in elementary school. A primary focus is empirical research on relevant instructional practices. Classroom meetings are complemented by three, week-long field experiences, which require students to teach a variety of lessons. Honors students have additional assignments designed to deepen their understanding of effective literacy instruction. For one lesson, students analyze a lesson and meet with the professor to discuss their findings. For another assignment, students evaluate an article from the professional literature that connects with their instructional interests. *Open to EDUC majors only. Contact academic advisor for permission. PREREQ: EDUC 210. Meets with the regular section.*

### **EDUC 390-080 Classroom Management: Social and Emotional Learning (Add-On)**

Lilly, Deirdre

This course focuses on creation of positive classroom learning environments by fostering children's social and emotional development, infusing behavior supports in academic instruction, enhancing motivation for learning, and establishing well-organized and respectful classrooms. An emphasis is placed on learning core concepts and practical research-based strategies. Field experience included. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *RESTRICTIONS: Open to ETE majors only. Contact academic advisor for permission. Meets with the regular section.*

### **EDUC 469-080 Research Internship Experience (Add-On)**

Pemberton, Elizabeth

This course includes a research experience with a faculty mentor. Please contact the instructor for more information.

## **Electrical Engineering (ELEG)**

### **ELEG 312-080 & 080L Electronic Circuit Analysis II (Add-On)**

Martin, Richard

This course includes the study of low-frequency and high-frequency response of RC-coupled amplifiers, Class A tuned amplifiers, tuned power amplifiers, frequency response and stability of feedback amplifiers, oscillators, modulation, and demodulation circuits. The Honors section will include a schematic capture and printed circuit board layout task as well as a field trip to a local company where analog circuitry is critical technology. *PREREQ: ELEG 309. Open to ELEG majors only. Meets with the regular section.*

### **ELEG 498-080 Senior Design I (Add-On)**

Cotton, Charles

Students apply their accumulated classroom knowledge to an electrical and computer engineering design problem. Students work in small teams and must present their finished designs at the end of the term. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Cross-listed with CPEG 498-080. Meets with the regular section.*

## **Energy and Environmental Policy**

### **ENEP 364-080 Research Internship**

Byrne, John/Latham III, William/Scattone, Raymond/Shah, S Ismat

This course offers integration of educational study and practical experience in the work place in a planned and supervised learning setting. The main emphasis is the student's development of a research paper that will contribute to an advanced understanding of the topic area in which the student intends to write his or her Senior Thesis. Field work requires 150-200 hours in an organization in the field of energy and environmental policy. *RESTRICTIONS: Open to energy and environmental policy majors. Permission needed by department to take this course.*

### **ENEP 468-080 Research in Energy and Environment**

Latham III, William/Byrne, John/Shah, S Ismat/Scattone, Raymond

This course examines advanced research concepts, methods and findings in the fields of energy and environment. In addition, it explores topics in support of student research with a focus on sustainability issues in Northern and Southern countries. *Permission needed from the department to take this course.*

### **ENEP 470-080 Readings in Energy and Environment**

Latham III, William/Byrne, John/Shah, S Ismat/Scattone, Raymond

This course explores a range of concepts, issues and phenomena associated with energy and environmental policy. It allows student and instructor to interact dynamically in crafting a readings list building upon the student's interest in given topics. Successful completion of course should allow student to prepare a research paper summarizing key material and analyzing its substantive relevance to thematic concerns in the student's plan of study. *Permission needed from the department to take this course.*

### **ENEP 472-080 Senior Thesis**

Latham III, William/Byrne, John/Shah, S Ismat

This course is an advanced senior research in the the areas of energy and environmental policy under the direction and subject to approval of a program faculty advisor. It requires original research and application of energy and environmental theory and policy analysis on an energy and environmental problem. *RESTRICTIONS: Open to Senior ENEP Majors only. Seniors must complete 6 credits for Graduation. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

## **English (ENGL)**

### **ENGL 324-080 Shakespeare (Add-On)**

Yates, Julian/Poole, Kristen

This course allows you to explore the diversity and richness of Shakespearean works. We will read representative poems, comedies, histories, and tragedies with an eye to how poetic or dramatic works alter the ways we understand elements of culture such as family, political power, or the uses of the imagination. As we read each play, we will also consider how Shakespeare's plays reflected and promoted aspects of the English Renaissance such as the emerging notions of individualism, representations of war, ideal relationships between men and women, and the appropriate uses of violence. Along the way, we will consider the larger question, why is "Shakespeare" as an institution so important for us? As Honors students, you will also have the opportunity to explore and research the continued life of Shakespeare through adaptation. As you may be aware, the life of Shakespeare's plays and poetry comes not only from theatrical productions, but also through the many ways that these texts manifest in contemporary culture. In this class, you will choose one of these forms of adaptation as a topic for your own research. You can focus on anything from the cultures of Shakespearean body-art, to filmic

renditions of a single play, to graphic novels based on Shakespeare, to Shakespearean productions in non-traditional spaces (such as refugee camps). Your research will result in a ten-page research paper suitable for presenting to the class as a whole. *PREREQ: ENGL110. Meets with the regular section.*

### **ENGL 372-080 Studies in Drama (Add-On)**

Kerrane, Kevin

This course will explore plays with brilliant language—including the elegant wit of Moliere’s *The Misanthrope*, the blatant vulgarity of David Mamet’s *Glengarry Glen Ross*, the textured silences of Harold Pinter’s *Betrayal*, and “dialect dialogue” in various works by Irish and African-American dramatists. The semester will culminate with extended study of one Shakespeare play chosen by the students. This course will be conducted as a seminar—with no tests, but with frequent papers and oral presentations, steady participation in class and on our Sakai site, and several trips to see plays in performance. Actors from UD’s Resident Ensemble Players will visit class occasionally—but the course will require everyone (including the professor) to participate in scene readings, both rehearsed and unrehearsed, during class meetings. Acting talent is not required, but it will be crucial to *bear* the language of each play under discussion. Honors students will likely have the opportunity to see a performance in Philadelphia or New York City. *PREREQ: ENGL110. RESTRICTIONS: May be taken up to three times when topics vary. Meets with the regular section.*

### **ENGL 382-080 Studies in Multicultural Literature in English (Add-On)**

Davis, Emily

One of the most important characteristics of modern capitalism is the way it hides the labor that goes into creating the objects we consume. In this course, we will examine texts that tell this hidden story of how commodities circulate in the global economy, from black market organs in London to Elvis songs in India. Central to this hidden story is the gendered division of labor in the global economy; all too often the bodies that perform the invisible work of global production (and are themselves sold as global commodities) are the bodies of women of color. We will begin the course by reviewing some of the key debates concerning the nature of globalization before moving on to discuss the importance of gender and sexuality for understanding, as well as co-opting and resisting, the processes of globalization. Since this is an English course, we will consider questions about how globalization has changed the ways we represent ourselves and others, whether in novels, plays, films, TV, music, or online. Some of our guiding questions will be: What work can fictional representations of these issues do that news pieces cannot? Why do we need art in an age of globalization? *PREREQ: ENGL110. RESTRICTIONS: May be taken up to three times when topics vary. Meets with the regular section. Cross-listed with WOMS 382.*

### **ENGL 394-080 English Language: Rhetorical & Cultural Contexts (Add-On)**

Alvarez, Deborah

Can “Aks” be a legitimate pronunciation of “Ask”? Who says “soda,” who says “pop,” and why? What are the linguistic characteristics of African American English and Spanglish? What do studies show about men’s and women’s discourse patterns? In this course, students investigate these and many other questions regarding the English language: how it evolves; how it affects and is affected by socio-cultural, economic, political, and historical factors; and how we can use this knowledge productively when interacting with others. Specifically, students gain an understanding and appreciation of language diversity across time periods, cultures, racial/ethnic groups, geographies, and social roles. Such understanding is essential for any aspiring professional; for example, teachers, writers, and editors need this awareness when working with people whose English is different from their own. In a project designed to help students apply this knowledge, we use the notion of culturally relevant pedagogy to craft critical readings of and responses to local students’ writing. Another major course project invites students to conduct a scientific inquiry into – and make an oral presentation on – an aspect of the English language that is of particular interest to them. Other course requirements include completing

homework assignments such as rhetorical analyses, co-teaching a section of class, and compiling an end-of-semester course portfolio and reflection. Honors students in the course will read and discuss an additional book containing advanced methods of discourse analysis, then apply this knowledge as they choose an example of discourse, analyze it, and present their findings to their peers. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

### **ENGL 430-080/081 Legal Writing (Add-On)**

Mink, Phillip

This courses on the analytical skills necessary to address a wide range of legal audiences: clients, opponents, judges, regulatory agencies, and legislators. Emphasis on creating a streamlined prose style that is suitable for any legal writing task. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: ENGL110. Meets with the regular section.*

### **ENGL 480-080 Visions of heaven, shadows of hell (Add-On)**

Miller, George

According the Pew Research Center 72% of Americans say they believe in heaven — defined as a place “where people who have led good lives are eternally rewarded,” while 58% of U.S. adults also believe in hell — a place “where people who have led bad lives and die without being sorry are eternally punished.” We explore western ideas of a heaven and hell from Homer (700-800 BCE) to graphic artist Mike Mignola’s *Hellboy in Hell* (2014), looking at literary works, paintings, and films. Honors students can chose from a variety of research options including multi-media projects involving film, still or sequence photography, graphic design; class presentations on special topics related to the texts or artistic depictions of heaven and hell over time; and participation in the symposium that will be held at the end of the semester. *PREREQ: ENGL110 and six ENGL credits at the 300 level or higher or by instructor consent. RESTRICTIONS: Can be repeated once when topics vary. Only counts toward major if taken as senior (after completing 90 credits). [Non-seniors are not excluded, but a student who completes the course before senior year must re-take the course as a senior for major credit.]. Satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters prior to graduation. Meets with the regular section.*

### **ENGL 480-081 Literary Studies Seminar (Add-On)**

Carroll, Siobhan

Students will be encouraged to develop their own line of scholarly inquiry, which they will develop in 3 short responses, 1 presentation, 1 annotated bibliography, and 1 seminar-length final paper. Honors students will additionally develop a creative analytical project in consultation with the professor. *PREREQ: ENGL101, ENGL102. RESTRICTIONS: Can be repeated once when topics vary. Only counts toward major if taken as senior (after completing 90 credits). [Non-seniors are not excluded, but a student who completes the course before senior year must re-take the course as a senior for major credit.]. Satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters prior to graduation. Meets with the regular section.*

### **ENGL 491-080 Methods in Teaching Secondary English (Add-On)**

Flynn, Jill

This course prepares students to design instruction that integrates all the English Language Arts, including reading, writing, speaking, listening, and viewing. The students gain instructional experience via a 45-hour practicum in their assigned student teaching classroom. In addition to regular ENGL 491 coursework, Honors students complete and share a research-based project. They meet with the instructor and the other Honors students for approximately 45 minutes for four weeks, read at least two articles or book chapters, write a response to those sources, and conduct research that will culminate in an action plan and digital presentation to share with the entire class. *PREREQ: ENGL110. RESTRICTIONS: Enrollment limited to English Education seniors. Meets with the regular section. This course satisfies*

*the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

## **Environmental Science (ENSC)**

### **ENSC/ENVR 101-080 Introduction to Environment (Add-On)**

Veron, Dana

This course offers a broad overview of the fields of environmental science and environmental studies. It is also an introduction to the spectrum of science and policy that is associated with environmental work and explore specific issues, perspectives and approaches from these varied areas. The Honors section of ENSC101 will meet with the regular section. In addition, Honors students will create a blog with short summaries of recent news articles related to environmental science, policy, and technological advancements, and we will meet once per week to discuss those blog entries. Honors students will be given flexibility on paper topics assigned in the regular section to enable them to further explore areas discussed in the Honors section if they choose. *RESTRICTIONS: Open to Freshman ENSC or ENVR majors only. Meets with the regular section.*

## **Entomology & Wildlife Conservation (ENWC)**

### **ENWC 201-080 Wildlife Conservation and Ecology (Add-On)**

McCarthy, Kyle

Humans are only one of the many species in the global ecosystem; however, they have a great impact on the species around them. This course discusses the basic principles of wildlife ecology with focus on the ecological and sociological importance of wildlife and their habitats. We evaluate and discuss the importance of wildlife to our past, present and future with emphasis on wildlife conservation issues such as habitat loss, endangered species, pollution, urbanization and invasive species. Educating future generations about wildlife and conservation is critical to maintaining long-term biodiversity on our planet. In the Honors section students will develop an educational program for children at the Early Learning Center. The educational programs include a presentation and play based activities to teach children about endangered species conservation. Each Honors student will be required to teach the program to a small class of children ages 5-11 at the Early Learning Center. *RESTRICTIONS: Should precede BISC 302. Some seats reserved for first-year incoming Honors FR ENWC majors. Meets with the regular section for lecture; separate Honors discussion times to be arranged.*

### **ENWC 205-080 Insects and Society (Add-On)**

Delaney, Deborah

This course explores the fascinating and often unusual lives of insects, focusing on their interactions with humans. Basic insect identification, structure, function, behavior, ecology, evolution, pest control and impact on human society, are the topics that will be covered with an emphasis on insects as model organisms for understanding basic ecological and evolutionary concepts. The Honors section has additional activities beyond the regular section's lectures and grading. They will be exposed to primary literature that corresponds with the regular lecture material. As well, the Honors students will design and present an educational display and lecture to a local area school. The Honors section meets with the regular section, but has a separate Honors discussion which is focused on the additional primary literature assignments. *Meets with the regular section.*

## **Fashion (FASH)**

### **FASH 213-080 20th Century Design: Ethnic Influence (Add-On)**

Orzada, Belinda

This course examines the culture and clothing practices of various ethnic groups and their influences on Western apparel fashion and textile arts during the 20th Century. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Open to FASH majors only. Meets with the regular section.*

**FASH 215-080 Fundamentals of Textiles I (Add-On)**

Cao, Huantian

Science principles are the basis for understanding fibers, the basic structure of yarns and fabrics. Relationships between the chemical composition of fibers and properties such as tensile strength, flammability, elasticity, moisture absorption, and dye affinity are explored. Understanding science principles in relation to textile properties provides basis for evaluation of textile products. An Honors project on a research topic of textiles in the form of a paper or a proposal will be required for the Honors section. *PREREQ: CHEM 101. Open to FASH majors only. Meets with the regular section.*

**FASH 220-080 Fundamentals of Textiles II (Add-On)**

Cao, Huantian

This course covers the fundamental concepts related to yarns, fabric, structures, coloration and finishes. There is emphasis placed upon structural properties as they related to end-use characteristics and finishing processes. We will discuss environmental problems related to textile production, dyeing and finishing. Please contact the professor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: FASH215. Open to FASH and APD majors only. Meets with the regular section.*

Newly added course

**FASH 333-080/080L Fashion Forecasting and Design (Add-On)**

Cobb, Kelly

This course is an introduction to trend research, analysis, and translation to original textile and apparel collections targeting varied consumer markets. Topics include advanced computer graphics for the fashion industry, emphasizing concept development (textiles, apparel, sustainable design, etc.) visualization, and design presentation. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: FASH233 and FASH220. Open to FASH majors only. Meets with the regular section.*

**FASH 355-080 International Fashion Consumers & Retailers (Add-On)**

Shaffer, Brenda

This course analyzes global and country specific factors that impact distribution systems for and consumption of fashion related products. This course will provide an understanding of consumers of fashion products within a global context and motivations for pursuing a global marketing and retailing strategy. The Honors section of this course will have an additional focus on retailing in an emerging market as it applies to changing consumerism, macro environmental factors and types of retailers pursuing these markets. *PREREQ: FASH218 (FASH 114 no longer required) or BUAD301. Open to FASH majors only. Meets with the regular section.*

**FASH 420-080 Assortment Plan, Source, and Buy (Add-On)**

Shafer, Brenda

This course is a continuation of FASH330. A merchandise budget developed in FASH330 is translated into an inventory unit plan. Course emphasis is on assortment planning, sourcing and purchasing and computer applications are involved. The Honors section will include an examination of an actual retail department. Students will research the department vendors, price points, brand offerings, fashion trends and merchandising techniques. In addition, students will also evaluate retailer/vendor relations and negotiation components. *PREREQ: FASH330. Open to FASH majors only. Meets with the regular section.*

**FASH 455-080 Global Apparel Trade/Sourcing (Add-On)**

Lu, Sheng

This course analyzes the global apparel and textile industries, the supply chains and the economic, political, socio-cultural, geographical and technological factors that influence global sourcing and buying decisions. It considers the importance of both financial and social goals, and strategies for social responsibility and labor compliance, and strategies for sourcing apparel. Honors students will have the chance to get involved in research projects in collaboration with industry leaders and policymakers on global textile and apparel trade issues. The additional learning activity and assignment will deepen students' understanding of the course material and be beneficial to students' career preparation.

*PREREQ: ECON 101 or ECON 103. Open to FASH majors only. Meets with the regular section.*

**FASH 484-080 Design Expressions (Add-On)**

Roelse, Katya

This course is a discipline-centered course designed to integrate previous knowledge and skills developed across the apparel design curriculum, including course content in art and design concepts, social responsibility/sustainability, fashion forecasting, computer graphics and visual presentations, pattern design methods, apparel construction processes, an understanding of textile properties, target market analysis, etc. The focus of the course is original design research. Honors students apply a design problem solving process to complete a collection of thematically related garments for a given theme. Additionally, Honors students write a paper detailing their design problem solving process which is shared during an oral presentation to the class. *PREREQ: FASH220, FASH 324, and FASH 333. Open to Honors Apparel Design (APD) SR only. This course satisfies the Senior Capstone Requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

**FASH 490-080 Strategic Fashion Management (Add-On)**

Carper, Martha/Shaffer, Brenda

This is a capstone course that integrates product planning and development, distribution, marketing, sourcing, and sustainability. Students will work on case studies and industry projects that require analysis, synthesis and application of knowledge and skills within the global apparel industry. Honors students have an additional opportunity to deepen their understanding of the course material by researching a topic of their choice which is related to the subject material in the course. *PREREQ: FASH330, FASH355, and FASH 380. Meets with the regular section.*

**Finance (FINC)****FINC 312-082 Intermediate Financial Management (Add-On)**

Varma, Raj

This course focuses on the role of the corporate financial manager in shareholder wealth maximization and enhances the understanding of material covered in FINC311 through the application of analytical methods, cases and the effective use of information technology in a contemporary financial environment. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: MATH 201 and MATH202 or MISY262 and FINC 311 with a minimum grade of C-. Open to JR and SR FINC majors and MISY majors with Finance concentrations only. Meets with the regular section.*

**FINC 416-080 Derivative Securities & Risk Management (Add-On)**

Coughenour, Jay

This course examines the trading, valuation and theory of pricing futures and forward contracts, options, swaps and other derivative securities. Emphasis is placed on the use of derivatives for hedging and risk

management. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: FINC314 and MATH230. Open to Junior and Senior Finance Majors and MISY majors with Finance concentrations only. Meets with the regular section.*

### **FINC 418-080 Seminar in Corporate Governance (Add-On)**

Elson, Charles M

We are in the midst of a merger of corporate law and finance that will make a fundamental impact upon corporate structure and performance. This seminar will explore the contemporary U.S. corporate governance movement from a financial, legal, and managerial perspective and its impact on, among others, the following areas of corporate controversy: stakeholder/shareholder relations, executive compensation, corporate philanthropy, corporate democracy, director responsibility and liability to shareholders, the prevention of corporate fraud and other forms of illegal conduct, and the adoption of corporate governance guidelines and their impact on corporate performance. Students will conduct an individual research paper on a governance topic of his or her choice. Guest speakers will contribute to seminar sessions. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: FINC 311. Open to Junior and Senior majors only. Meets with the regular section.*

### **FINC 419-080 Financial Modeling and Valuation (Add-On)**

Stocker, John

This course applies economic principles and financial modeling techniques to value seasoned equity, initial public offerings, mergers, private equity transactions, and leveraged buyouts. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: FINC 312 and FINC 314. RESTRICTIONS: Open to Junior and Senior Finance majors and MISY Majors with Finance concentrations only. Meets with the regular section.*

## **French (FREN)**

### **FREN 200-080 Grammar and Composition (Add-On)**

Lees, Cynthia

This course includes intensive grammar review of all major verb tenses and grammatical concepts (such as object pronouns). There is also an emphasis is on grammar improvement through reading and writing. The Honors section of French Grammar and Composition will meet on several occasions with the instructor to discuss readings related to the course. Students will also have the opportunity to practice some advanced structures by preparing one oral presentation and completing additional writing assignments. *PREREQ: FREN 107 or FREN 112. Meets with the regular section.*

### **FREN 209-080 French Conversation Through Film (Add-On)**

Sankara, Edgard

This course covers the development of oral proficiency in French through discussion and analysis of major French films. Some written work and grammar review where appropriate. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: FREN107 or FREN112 or one 200-level French course with a minimum grade of B. Meets with the regular section.*

### **FREN 211-081 French Reading and Composition (Add-On)**

Lees, Cynthia

This course, taught in French, will introduce you to a selection of texts in which human relationships play a central role. Based upon a close reading of the works and through your written and oral responses to them, you will explore the challenges that individuals encounter in childhood, adolescence, and adulthood as they grapple with such problems as lack of access to quality education, dysfunctional families, obsessive relationships, human sexuality, divorce, and mental illness. Small- group work,

roundtable discussion, and literary analysis frame our study of the vexing problems of life. Some of the authors to be read include Carrier, Duras, Gide, Hébert, Ionesco, Maillet, Roy, and Sarraute. The honors section of French Reading and Composition has a film component that complements the literary selections. Students watch three French and Francophone films and, in additional class meetings with the professor, discuss the cultural, historical, and political context in which the literature is framed within the film texts. Honors students have additional readings in 20th and 21st century texts about which they write papers of literary analysis. Finally, students enrolled in the course for honors deliver a group presentation thus contributing to the cultural knowledge of the class as a whole. It is strongly recommended that those pursuing Honors credit for this course have earned final grades of A or A- in previous university-level French coursework. *PREREQ: FREN 200 (minimum grade of C) or FREN 107 (minimum grade of A-) or FREN 112 (minimum grade of A-). Meets with the regular section.*

### **FREN 211-080 French Reading and Composition (Add-On)**

Steinberger, Deborah

This course includes reading and discussion of French literature and the writing of short papers. The emphasis of the course is on improving critical reading skills and on writing formal analyses of literature. Students will be introduced to several literary movements. Honors credit involves supplementary readings, papers, and meetings outside of class with the professor. *PREREQ: FREN 200 (minimum grade of C) or FREN 107 (minimum grade of A-) or FREN 112 (minimum grade of A-). Meets with the regular section.*

### **FREN 301-080 Introduction to French Literature: Prose (Add-On)**

Thibault, Bruno

The Honors section of FREN 301, Introduction to French Literature: Prose, includes discussion and analysis of the various genres of prose fiction (*contes, nouvelles, romans*) and non-fiction (*essais*) from the Middle Ages to the present. Students taking the course for Honors credit have supplementary assignments: Honors class meetings with the professor throughout the semester; the reading of an additional novel; a group presentation to the class on that novel; a supplementary paper of literary analysis on a text studied in the course; and attendance at a lecture, film, or cultural event related to the course. *PREREQ: FREN 211 and any 200-level course taught in the French language, both with a suggested minimum grade of B-. It is highly recommended that those pursuing Honors credit for this course have earned final grades of A or A- in previous French coursework. Meets with the regular section.*

### **FREN 302-080 Introduction to French Literature: Poetry & Theater (Add-On)**

Sankara, Edgard

This course introduces students to some of the greatest works of French literature, from the Renaissance to the 20th Century: poems by Ronsard, La Fontaine, Hugo, Baudelaire, Rimbaud, Valéry, classic plays by Molière and Racine. Close readings of the texts will enable students to enhance their critical skills as well as their enjoyment of literature. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: FREN211 and any 200-level course taught in the French language. Meets with the regular section.*

### **FREN 403-080 Structure of French (Add-On)**

Alalou, Ali

This course includes the study of the sounds, morphology and syntax of the French language, as well as of discursive phenomena. It introduces students to the science of linguistics as applied to French. Taught in French. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Two 300-level French courses, one of which should be FREN314. Meets with the regular section.*

## **Human Development and Family Studies (HDFS)**

### **HDFS 201-080 Life Span Development (Add-On)**

Palkovitz, Robin

This course includes exploration and understanding of the social, emotional, cognitive and physical development of the individual from infancy through old age in the context of the family. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Open to Honors students whose major requires the course. Preference given to incoming Honors first-year HDFS majors. Meets with the regular section.*

### **HDFS 202-080 Diversity and Families (Add-On)**

Sherif-Trask, Bahira

This course examines American families from a variety of historical, methodological, and theoretical perspectives. In particular, this course focuses on the demographic and social changes that American families have undergone, as well as the causes and consequences of these changes. Furthermore, this course emphasizes differences between families based on gender, race, ethnicity, and socio-economic status. Issues of globalization will also be examined. Honors section participants will supplement the regular class materials with several extra readings. These readings will be discussed as part of a Sakai online forum. In addition, Honors members will write a research paper on a topic of their choosing. *Some seats saved for first-year incoming students. Meets with the regular section.*

### **HDFS 221-080 Child Development II: 3 to 10 (Add-On)**

Rowe, Joy

Child Development II is designed for students seeking more in-depth study of topics in human development from the post-toddler period up to and including middle childhood (ages 3 through 10 years). Class lectures, in-class activities, discussions, readings, group assignments and observations of children in group settings will provide you with opportunities to increase your understanding of the nature of children, their general developmental patterns in the context of their families, schools, communities and broader effects of culture, class and historical time. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

### **HDFS 235-080 Survey in Child and Family Services (Add-On)**

Gaines-Hanks, Norma

This course is designed to help students understand the scope of human service agencies that focus on the needs of children and families. Upon completion of the course, students will be aware of current problems facing children and families, identify "best practice" approaches to helping children and families, and understand how diversity among children, families, and communities can inform service delivery. Course readings, assignments, and methods of evaluation are individually tailored to needs and interests of Honors students. Honors students will complete a research project focused on a specific issue related to children and their families. The project will involve writing a research paper, conducting site visits to targeted agencies, and must include a cross-cultural component. The final project will be presented to peers in scheduled sections of HDFS 235. In addition to meeting with the regular section, Honors students will schedule regular meetings with the professor to discuss the topic under study and assess progress. *RESTRICTIONS: Restricted to Human Services majors; Disabilities Studies Minors; and Sociology - Welfare track students. Not open to freshmen. Meets with the regular section; separate weekly meeting with the professor.*

### **HDFS 333-080 Development of Human Relationships (Add-On)**

Sherif-Trask, Bahira

This course examines why and how interpersonal relationships are formed, the types of relationships that individuals become involved in, the processes of relationships, and the threats to relationships. The

influence of technology, social networks, and multicultural perspectives are also discussed. The Honors component involves an independent research project and class presentation. *Meets with the regular section.*

### **HDFS 347-080 Program Development & Evaluation (Add-On)**

Unger, Donald

This course focuses on program development, administrative procedures, and program evaluation. Topics include basic skills required for the development and the delivery and evaluation of a wide range of human service programs including preventive interventions for families and individuals. Honors students will work together to identify evidence based preventive interventions for children and families. They will compare and contrast program evaluation research, learning about the variety of evaluation criteria that is used to determine the types of evidence that indicates the effectiveness of these interventions. In addition, Honors students will investigate the role of culture in the development and implementation of preventive interventions, resulting in a report with recommendations for the field. *PREREQ: HDFS235 and HDFS334 or permission of instructor. COREQ: HDFS334 or permission of instructor. Meets with the regular section.*

### **HDFS 402-081 Child and Family Policy (Add-On)**

Eidelman, Steven

This course provides an historical overview of family and child policy in the United States, including policies toward children and families in poverty. Topics include the role of the economy, politics, race, class, gender, legal and advocacy issues are discussed. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: HDFS235 and HDFS202 or permission of instructor. RESTRICTIONS: Junior and senior HMSV majors and HDFS minors. Meets with the regular section.*

### **HDFS 422-080 Honors Capstone: Family Relationships (Add-On)**

Settles, Barbara

This course will discuss Interpersonal relationships and issues in courtship, marriage, and the family in contemporary society. Course objectives include: understanding of current issues in theory and research used in the study of the family and the development of family policy; historical and current views of family process and functioning and awareness of multicultural and cross-cultural issues; and directions for the future trends in families important to family study and policy development. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters prior to graduation. PREREQ: HDFS202, HDFS235, and HDFS334 or permission of instructor. Open to Senior majors only. Meets with the regular section.*

### **HDFS 427-080 Parenting Through the Lifespan (Add-On)**

Worden, Lynn

This course includes an applied focus on parenting styles, roles, issues and goals through the lifespan. Topics include: parent diversity, intergenerational relationships, developmental and acquired disabilities, and needs of children, adult children, extended family members, and parents. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: HDFS201 or PSYC350 or permission of instructor. Meets with the regular section.*

### **HDFS 435-080 Programs for Children with Exceptionalities (Add-On)**

Staff

This course examines philosophy, organization, and operation of programs for children with exceptionalities. It will focus on teaching in inclusive settings, and implementing developmentally appropriate practices. It also addresses parent-professional partnerships, characteristics of specific

disabilities and related interventions, IEP process, adaptation strategies, and positioning and handling techniques. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: HDF5222. COREQ: HDF5432. RESTRICTIONS: Early Childhood Education majors only or with permission of instructor. Meets with the regular section.*

### **HDFS 441-080 Advanced Inclusion Curriculum in Early Childhood I (Add-On)**

Martin, Jane

Advanced study and application of child outcome assessment, using assessment to guide curriculum planning, using technology to support curriculum and teaching of English/Language Arts, Math, Science, Social Studies and the arts and social/emotional and fine and gross motor development. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *COREQ: EDUC400 and HDF5424. RESTRICTIONS: ECE majors only.*

## **History (HIST)**

### **HIST 101-082/082D Western Civilization to 1648 (Add-On)**

Callahan, Daniel

This course is an introductory survey tracing the political, social, economic, and cultural development of Western civilization from late antiquity to the end of the 'Thirty Years' War in 1648. There are two fifty-minute tests and a final examination. Students in the Honors section must also write a ten-page paper based on the life of a figure examined in the course. *Meets with the regular section; separate Honors meeting.*

### **HIST 102-080 Western Civilization: 1648-Present (Add-On)**

Cruz, Jesus

This course focuses on the development of European civilization from just before the French Revolution to mid twentieth century. We will study a wide range of diverse topics including changes in political thought, the breakdown and reconfiguration of social order, technological advancement and change, new economic patterns emerging from industrialization, ideological conflicts, and the rapid expansion (and rapid collapse) of imperialism. Through the reading of primary and secondary sources the course will explore how historical questions and answers are formulated and assigned significance. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Meets with the regular section.*

### **HIST 135-080/080D Introduction to Latin American History (Add-On)**

Buckley, Eve

This course introduces students to the history of Latin America, from the conquest period to recent times. Topics include preconquest societies, Iberian colonization and colonial society, the transition to independence, nineteenth century modernization, urbanization, revolutionary political movements of the twentieth century, and the region's changing relationship to the United States. The format is twice-weekly lectures and smaller weekly discussion meetings during which students analyze primary source materials and film clips. In addition to the three essay exams required of all students in this survey, the Honors students will submit two short essays responding to additional texts. To prepare for this, we schedule 2-3 extra discussion meetings during the semester for the Honors group. *Meets with the regular section.*

### **HIST 200-080 History and Government of Delaware (Add-On)**

Russ, Jonathan

This course is a survey of the history of Delaware and its present government, with special attention to the needs of social studies teachers. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

**HIST 205-080 U.S. History to 1865 (Add-On)**

Matson, Cathy

This course covers the history of the United States from the beginning of colonization through the Civil War. Topics receiving particular emphasis often in comparative context include American distinctiveness, the character and consequences of the American Revolution, the American political system, slavery, and the coming of the Civil War. Honors students will meet separately with the professor and will be required read additional material relevant to themes of regular assignments. *Meets with the regular section.*

**HIST 206-081/081D U.S. History Since 1865 (Add-On)**

Russ, Jonathan

This course is a survey of American history since 1865. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

**HIST 241-080 History of Christianity to 1300 (Add-On)**

Frassetto, Michael

This is a survey of the evolution of the Christian Church from its origins until the decline of the papacy in the late thirteenth century. Lectures will examine such topics as St. Paul and apostolic Christianity, the conversion of Constantine, the varieties of Christian monasticism, Christianity in a feudal society, the rise of the papacy and papal monarchy, and non-Western Christian observances. Two one-hour examinations and a final exam are required. Students in the Honors section will also write a paper based on their research on an aspect of the medieval Church. *Meets with the regular section.*

**HIST 268-086 Seminar: The First World War (Add-On)**

Marti, Steven

The First World War caused the downfall of four European empires and initiated such a wave of transformation that many historians use this conflict to mark the transition from the nineteenth to the twentieth century. Due to the scale of the conflict, the war shaped the course of world history and touched the lives of millions across the globe. This course will explore the events of the First World War by examining with a wide variety of primary sources and by making use of digital methods to uncover the social and cultural impact of the conflict. The Honors component of this course will require students to produce a longer final written assignment, in the form of an original, scholarly paper, based on primary research. 3-4 additional meetings will be scheduled over the course of the semester to offer extra guidance and advice for academic research and writing. *Open to HIST majors only. Cannot be repeated for credit. Meets with the regular section.*

**HIST 302-080 The World In Our Time (Add-On)**

Alchon, Guy

This course provides an examination of current events within the context of historical forces. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Meets with the regular section.*

**HIST 308-080 The United States in the Antebellum America, 1825-1861 (Add-On)**

Bendler, Bruce

This course examines social transformation and politics in America from 1825 to the eve of the Civil War. Particular attention paid to the presidency of Andrew Jackson, changes in institutions and culture related to expansion, and conflicts leading to disunion. Honors students are expected to utilize at least two primary sources in preparation of the two papers assigned in the course. Such primary sources may include newspaper, pamphlets, or documents available in the on-line resources or Special Collections at

the Morris Library. In addition, Honors students will meet with the instructor to discuss those primary sources. *Meets with the regular section.*

### **HIST 319-080 Revolutionary America (Add-On)**

Matson, Cathy

This is a lecture course covering the final colonial years and Revolutionary generation in North America. It focuses on economic, social, and cultural-- but not military -- aspects of Atlantic revolutions in this era. Students will be required to attend lectures, participate in discussions, and write regularly in this course. Honors students will meet with the professor outside of class and be required to analyze additional primary source materials. *Meets with the regular section.*

### **HIST 342-080 Barbarian Europe (Add-On)**

Callahan, Daniel

This lecture course will examine the political, social, and cultural development of the barbarian peoples in Western Europe during the early Middle Ages, 250-1050. Special attention will be given to the Church as an instrument of civilization. There will be a one hour exam, a paper and a final. The paper for the students in the Honors section must be at least twenty pages long and represents forty per cent of the total of the course grade. *Meets with the regular section.*

### **HIST 344-080 Renaissance Europe (Add-On)**

Duggan, Lawrence

This course examines Europe from the late 13th to the early 16th century, with stress on the consequences of the Black Death, the reform of the Church and the flowering of cultural and intellectual life in Italy and northern Europe. Honors students will choose an extra book and learn how to read and write about it in very different ways--gutting and reviewing. *Meets with the regular section.*

### **HIST 352-080 Europe: 1945 – Present (Add-On)**

Shearer, David

This course is a comprehensive survey and analysis of the evolution and structure of post -World War II European society. Please contact the instructor for the Honors components and grading rubric for the Honors work. *Meets with the regular section.*

### **HIST 355-080 & 081 Early Modern European Intellectual History (Add-On)**

Bernstein, John

This course examines the major development in thought from around 1600 to 1800. Questions considered are the nature of political order and justice, the character of the good life and moral obligation, the relation between faith and reason, and the development of historical reason and theories of the fine arts. Readings will be from Milton, Locke, Voltaire, Rousseau and others. Honors students will do a somewhat longer term paper and meet privately as a group with the professor. *Meets with the regular section.*

### **HIST 361-080 Twentieth Century France (Add-On)**

White, Owen

In this course we will use primary and secondary sources to explore France's turbulent 20th-century history. We will pay special attention to the conflicts that have shaped French society, such as the Dreyfus Affair, the First World War, the Nazi Occupation and the Vichy Regime, the women's rights movement, the war in Algeria, the student riots of 1968, and post-war immigration -- as well as France's love-hate relationship with the United States. Students in the Honors section will examine particular events in greater depth with the help of French movies from the time. *Meets with the regular section.*

### **HIST 382-080 History of Western Medicine**

Buckley, Eve

This course examines the social and cultural forces that have influenced the development of modern medicine. In addition to the regular coursework, Honors students meet separately with the professor to develop an independent research topic, which they present to the class at the end of the semester. *Meets with the regular section.*

### **HIST 475-080 Seminar: Modern European History (Add-On)**

Shearer, David

This is an in-depth research and writing seminar in Russian and Soviet history. Each student will select a research and writing topic, based on the student's interests and in consultation with the professor, and she or he will spend the semester reading in that topic. Students will work individually with the professor on their topics, but the class will also meet periodically for progress reports, discussion, and final presentations. In the course of the semester, each student will produce, in addition to class presentations, an outline, a draft, and a final version of a paper. Grades will be based in part on class presentations, but mostly on a final paper that will be approximately 25 pages in length. Note: The course presumes at least a survey knowledge of Russian, Soviet, or European 20th-century history. Otherwise, permission of instructor is needed to participate. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: HIST268 RESTRICTIONS: Majors only, or permission of instructor. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **Hospitality, Business Management (HOSP)**

#### **HOSP 180-080/080L Introduction to Hospitality (Add-On)**

Kline, Sheryl

HRIM 180 is designed to introduce the broad world of hospitality management. The course will provide students with information about the structure of hospitality industry, travel and tourism resources, hotel and restaurant businesses, recreation and leisure activities, and the people who have shaped the industry. Additionally, students will have the opportunity to develop their leadership skills by engaging in community volunteer activities. Throughout the course, students will be exposed to a variety of learning experiences that can expand their knowledge of the dynamic and global hospitality industry. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Open to incoming Honors HRIM majors only. Meets with the regular section.*

#### **HOSP 321-080 Quantity Food Service Management (Add-On)**

Staff

This course covers principles of quantity food service management with an emphasis on quality and cost control. Topics include menu planning, safety, sanitation and technical operations, as well as labor, food and energy cost containment. Honors students do an additional research paper in an area related to management for the class for submission for publication in a journal or to present at a professional conference. *Open to HRIM majors only. PREREQ: HRIM 201 and HRIM 211. COREQ: HRIM 325. Meets with the regular section.*

#### **HOSP 381-080 Management of Food and Beverage Operations (Add-On)**

Staff

This course covers the management tools available to control sales and expenses in food and beverage operations. There is an analysis of centers of responsibility and the cost management approach to development of control systems. Please contact the instructor for the specific Honors components and

the grading rubric for the Honors work. *Open to JR & SR HRIM majors only. PREREQ: HRIM 321. Meets with the regular section.*

### **HOSP 489-080 Hotel, Restaurant and Institutional Management Practicum II (Add-On)**

Digregorio, Joseph / Ellingsworth, Deborah / Waller, Nicholas

This course is a structured experience in a hospitality industry environment. There are at least 40 hours per credit hour in planned activities associated with the management and operation of a hospitality property. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Course is 6 credits. PREREQ: HRIM321, HRIM325 and HRIM488. Satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters prior to graduation. Meets with the regular section.*

### **HOSP 495-080 Hospitality Feasibility Studies (Add-On)**

Miller, Brian

This course will examine a review of feasibility methods of a potential lodging franchise in a given market, review market data, evaluate potential franchises, develop facility and design requirements, examine revenue streams and cash flows and its economic viability. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: ACCT207, ACCT208, HRIM380, HRIM481, HRIM381, HRIM 382, and FINC311. RESTRICTIONS: Available only after taking 90 credits. Available only in the Senior Year. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets after the regular section.*

## **Italian (ITAL)**

### **ITAL 200-080 Italian Grammar Review (Add-On)**

Melloni, Giorgio

This course, taught in Italian, intends to consolidate and improve language skills acquired by students in 100-level courses. A series of conversations and oral presentations about Italian life and current events will foster proficiency. Magazines, newspapers, films, videos, and transparencies will be used to gain a better understanding of Italian culture. Grammar will be reviewed when appropriate. In addition to the regular course requirements, students enrolled in the Honors section will also be responsible for an oral presentation approximately halfway through the semester and a written composition at the end of the semester. Honors students are required to do an oral presentation at the end of the semester along with an additional written project. *PREREQ: ITAL 107. Meets with the regular section.*

### **ITAL 205-080 Italian Conversation (Add-On)**

Salsini, Laura

You are so close to proficiency in Italian! Consolidate your hard-earned language skills in a series of conversations and oral presentations, with grammar review when appropriate. Students will discuss current events along with material from films, the Internet, and other sources. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: Minimum grade of B in ITAL107 or one 200-level ITAL course. Meets with the regular section.*

### **ITAL 211-080 Italian Reading & Composition: Short Fiction (Add-On)**

Saggese, Riccarda

Let the masters of the Italian short story teach you to write! This course emphasizes vocabulary acquisition and written expression. Students will read and discuss short works of literature and film. You will improve your writing skills, add to your rich stock of conversation topics in Italian, and begin your love affair with contemporary Italian authors. Please contact the instructor for the specific Honors

components and grading rubric for the Honors work. *PREREQ: ITAL 200, 205 or 206. Meets with the regular section.*

### **ITAL 311-080 Survey of Italian Literature (Add-On)**

Salsini, Laura

This course covers the development of Italian literature from its origins to the mid-17th century. It includes the study and discussion of representative works. Honors students will complete an additional writing assignment and oral presentation, based on the readings done in class. *PREREQ: ITAL 211 or ITAL 212. Meets with the regular section.*

### **ITAL 355-080 Special Topics (Add-On)**

Melloni, Giorgio

Film offers a fascinating window into different histories and cultures. In this course a range of films and film clips will guide us through an examination of modern Italian culture and society. This course also incorporates intermediate-advanced grammatical concepts to help you polish and refine your writing, speaking, and comprehension skills. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Any 300-level Italian course. RESTRICTIONS: May be repeated for credit when topics vary. Meets with the regular section.*

### **ITAL 455-080 Selected Authors, Works & Themes (Add-On)**

Saggese, Riccarda

This course focuses on the 20th century literary movements. Emphasis will be given to those authors who showed in their works a particular attention to the child's life as a result of the historical, economic and political conditions of the time represented. Selected readings may include authors such as Ammaniti, Calvino, Mazzucchi. Honors students will complete additional assignments over the course of the semester (including readings, summaries, and brief presentations). In consultation with the professor, Honors students choose a topic to research over the course of the semester, culminating in a final presentation, and a 5-pg final paper detailing their findings. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Any two Ital 300-level literature courses RESTRICTIONS: Can be repeated for credit when topics vary. May be offered jointly with ITAL655. Meets with the regular section.*

## **Japanese (JAPN)**

### **JAPN 201-080 Advanced Intermediate Japanese I (Add-On)**

Inoue, Chika

JAPN 201 is the first of the two-course series which form the core of 200-level Japanese, the other being JAPN202. The goal is to build upper intermediate level grammar, vocabulary, and Kanji. All four areas of language (listening, reading, speaking, and writing) are emphasized. Students in the Honors section will work on individual projects under the instructor's guidance. The goal of this project is to enrich their interest in the cultural experience and to ameliorate their weakness in different aspects of the language. *PREREQ: JAPN 107. Meets with regular section.*

### **JAPN 202-080 Advanced Intermediate Japanese II (Add-On)**

Inoue, Chika

This course covers the last five chapters of Genki II text book. Students learn to use various grammatical forms to convey different nuances. Classes are conducted in Japanese. Activities include oral presentations and essays on various topics. About 75 additional Kanji will be introduced. Honors section requirements include two additional reports. The midterm report has to be a detailed description

of a scene in a movie, and final report an essay about how a child character in a Japanese film grows and changes. *PREREQ: JAPN 201 or 206. Meets with regular section.*

### **JAPN 204-080 The Art of Japanese Calligraphy (Add-On)**

Inoue, Chika

This course will cover practical training in Japanese calligraphy, using brush, inkstone and sumi ink. Students will work with both phonetic syllabaries and kanji characters. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: One JAPN course. RESTRICTIONS: Does not satisfy CAS language requirement. Taught in English and Japanese. Meets with regular section.*

### **JAPN 301-080 Japanese Conversation and Composition (Add-On)**

Sato, Mutsuko

This course is a discussion of current cultural, social and political topics in Japanese. Topics include vocabulary building, grammar exercises and frequent compositions. There is a final project designed by each student. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: THREE of the following: JAPN200, JAPN201, JAPN202, JAPN205, JAPN209 or ONE of the following: JAPN301, JAPN355, JAPN306. Meets with the regular section.*

### **JAPN 455-080 Selected Authors, Works and Themes (Add-On)**

Hutchinson, Rachael

This course builds on work the students have done at the 300-level, but is focused on reading real Japanese rather than working from a textbook. Students will practice skills such as reading and translation using a combination of magazine and news article. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Two 300-level JAPN courses. Meets with the regular section.*

## **Jewish Studies (JWST)**

### **JWST 345-080 Modern Israel: History & Culture (Add-On)**

Gutman, Eynat

Interested in the study of modern Israeli culture? This course will enlighten you in many ways. What are the origins of Zionism? Who is an Israeli Sabra? How did factors and events like the Holocaust and the Arab-Israeli conflict shape the Israeli society of today? Taught in English, the course will address such questions: through historical background and the study of film, literature and music, we try to arrive to an understanding of this complex culture. In addition to regular class requirements, Honors students will have to submit a final paper. *Cross-listed with LLCU 345-080. Meets with the regular section.*

## **Kinesiology & Applied Physiology (KAAP)**

### **KAAP 220-080 Anatomy & Physiology (Add-On)**

Swanik, Charles

This course examines the structure and function of human body: skeletal, muscular, circulatory, respiratory, nervous, endocrine, digestive and urinary systems. It is a foundation course for all areas of physical education and athletics. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Some seats reserved for incoming first-year Honors majors. Students may not receive credit for KAAP220 if taken after completion of KAAP 309. Meets with the regular section.*

### **KAAP 309-080 & 080L/081L Human Anatomy and Physiology I (Add-On)**

Rose, William

This course will cover the structure and function of the human body for pre-professionals in clinical and allied health fields. There is an emphasis on integumentary, skeletal, muscular, and nervous systems. In addition to the regular coursework, students in the Honors section will meet regularly with the professor to discuss topics of interest in anatomy and physiology. Each student will write a paper on a topic he or she selects, and will present his or her findings to the full class. Examples of past topics: barefoot running; why women get more ACL injuries than men; minimally invasive heart valve replacement surgery; pyelonephritis and urinary tract infections. *PREREQ: BISC 208, and CHEM 104 or CHEM 108. Open to KAAP majors only. Meets with the regular section.*

### **KAAP 350-080 Basic Concepts in Kinesiology (Add-On)**

Staff

A review of musculoskeletal anatomy and lever systems provides foundation for analyzing human movement. Practical kinesiological evaluation focuses on common fitness and health related exercises. Topics include movement analysis and proper techniques discussed for cardiovascular machines, abdominal work, stretching, etc. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: KAAP 220 or KAAP 309. Open to KAAP majors only. Meets with the regular section.*

### **KAAP 400-080 Research Methods (Add-On)**

Crenshaw, Jeremy

This course is an introduction to research on health and physical activity, including types of research, research design, matching appropriate statistical tools with research designs, research writing style and format and ethical issues related to research. The Honors section will include preparing a research proposal and presenting it in the class. *PREREQ: STAT 200 or MATH 201 or PSYC 209. Open to SR EXSC, HLST and AT majors only. This course satisfies the Senior Capstone Requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **KAAP 400-081 Research Methods (Add-On)**

Witman, Melissa

This course is an introduction to research on health and physical activity, including types of research, research design, matching appropriate statistical tools with research designs, research writing style and format and ethical issues related to research. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: STAT200 or MATH 201 or PSYC209. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **KAAP 400-082,083 Research Methods (Add-On)**

Prisby, Rhonda

This course is an introduction to research on health and physical activity, including types of research, research design, matching appropriate statistical tools with research designs, research writing style and format and ethical issues related to research. Honors students are required to create, design and write the NIH-style proposal and fulfill all portions of the proposal individually. *PREREQ: STAT200 or MATH 201 or PSYC209. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **KAAP 420-080, 080L Functional Human Anatomy (Add-On)**

Barlow, David

In this course, the anatomical individuality, functional significance and human performance interpretations are examined through the detailed and systematic investigation of muscular, skeletal, circulatory, and nervous systems. Structural and functional kinesiology of the extremities and their

girdles are stressed dealing with the inter-relationships between form and function of tissues, organs and organ systems of the human body. An approach is utilized that fosters student enthusiasm, critical thinking, and a love of the biological sciences. Students are provided with a significant advanced core of anatomical knowledge acquired in lecture and extensive laboratory settings. Laboratory experiences will, where appropriate, emphasize the meaning and significance of musculoskeletal movements and will utilize human cadavers, prosected human specimens, models, EMG and electro-physiological demonstrations, X-rays, dry biological materials, interactive videodiscs, and other instructional aids. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: KAAP 220 or 309. Open to Honors ATI majors and to Honors EXSC majors only. Meets with the regular section.*

### **KAAP 426-080/080L Biomechanics I (Add-On)**

Royer, Todd (Royer, Todd/Colon, Sarah for 080L)

This course includes the application of mechanical principles in the study of the human musculoskeletal system, including analysis of joint forces, as well as the mechanical properties of bone, muscle, and connective tissues. In addition to regular coursework, students in the Honors section identify a biomechanics research question, collect/process/interpret data, share/discuss results with peers, and write an abstract of their research. *PREREQ: PHYS 201 or 207, and KAAP 309. Open to Honors EXSC majors only. Meets with the regular section.*

### **KAAP 430-080/080L Exercise Physiology (Add-On)**

Provost, Michelle (Provost, Michelle/Stock, Joseph for 080L)

This course includes the study of the integration of human physiological systems in the performance of exercise, work and sports activities and under the influence of environmental stressors. Honors students will learn how to use an accelerometer to measure energy expenditure over the course of several days and how to interpret the computerized report. *PREREQ: KAAP220 or KAAP310 or BISC276 or BISC306. Open to Honors majors and minors in EXSC, AT, HLST/OT or strength and conditioning. Meets with the regular section.*

### **KAAP 434-080 12-Lead ECG Interpretation (Add-On)**

Provost, Michelle

This course includes the study of all aspects of electrocardiography including arrhythmia identification, rate determination, axis deviation, heart blocks, hypertrophy and myocardial infarction patterns. Honors students will learn how to administer and electrocardiogram (ECG) and act as teaching assistants who will supervise students as they administer ECGs to fellow students enrolled in the class. *PREREQ: KAAP 430. Meets with the regular section.*

## **Latin (LATN)**

### **LATN 201-080 Intermediate Latin Prose (Add-On)**

Laird, Margaret

This course provides an introduction to reading Latin literature in the original language, focusing on the philosophical and forensic works of Cicero, the historical writings of Livy, and the letters of Pliny. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: LATN101 and LATN102 or equivalent. Meets with the regular section.*

## **Leadership (LEAD)**

### **LEAD 100-080 Leadership, Integrity, and Change (Add-On)**

Morrison, James

This course introduces students to the challenges of leadership. An experiential practice-based change project will give students hands-on experience in applying the skills and practices of effective leadership to create positive change. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Open to Honors LEAD majors only. Meets with the regular section.*

### **LEAD 200-080 The Leadership Challenge (Add-On)**

Staff

This course explores how leaders take on the challenge of mobilizing others to transform visions into reality. It provides a more in depth examination of leadership theory and how that theory informs various individual and organizational practices. Students will learn methods to develop a shared vision, processes to strategically facilitate change, and examine ethical facets of leadership. Honors students serve in the role of Weaver taking individual strands of information and ideas and integrating them into understandable patterns that bring out themes that we might not otherwise see. In this case, students weave together our understanding of CORE confidence, optimism, resilience, and engagement – from what you learn in class, what you observe in the class, and what you research on your own from other sources. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Meets with the regular section.*

### **LEAD 300-080 Leadership, Creativity & Innovation (Add-On)**

Middlebrooks, Anthony

This course provides students with the theoretical bases of leadership, creativity, and innovation that inform the effective practice of leadership. The course emphasizes creativity theory and research, models of innovation, and the application of leadership to foster innovation. The nature and nurture of creative thinking as a precursor to effective organizational leadership and innovation underlies the course. Students will understand the nature of creativity in research, theory, and practice; explore and recognize the characteristics of innovation in organizations, understand the role of leadership in creating conditions for innovation, at both the individual and organizational system levels; and enhance their ability to think creatively, and apply that creative thinking strategically. Honors students explore and expand divergent thinking capacity, and share that knowledge with the class through activities and research. *Meets with the regular section.*

### **LEAD 341-080 Decision-Making and Leadership (Add-On)**

Stein, Karen

Consider leadership as a process of influencing others toward a common vision. Further, consider that effective leadership lies in the leader, the followers, the context, and the interaction among all three--and that all are influenced by the choice of decisions that should be made, the process of making decisions, and the ability to implement decisions. This course will examine models of decision-making, the use of economic, social, and political tools as part of the decision-making process, and the responsibility of leaders and followers to implement decisions that further the common good. Students will be presented with opportunities to personally practice and observe the impacts of various modes of decision-making upon effective (and ineffective) leadership, and to apply the tools of decision-making to current events and policies. Honors students will have a research experience, acting as the principle investigator(s) for a class research project. *PREREQ: LEAD100. Meets with the regular section.*

### **LEAD 400-080 Leadership for the Common Good (Add-On)**

Ware, Melva

This course examines direct action organizing, coalition building, consensus organizing as strategies for mobilizing people to create positive change. There is an emphasis on social responsibility, sustainability, collaborations, and multisector interactions. Please contact the instructor for the specific Honors

components and the grading rubric for the Honors work. *PREREQ: LEAD100, LEAD101. Meets with the regular section.*

### **LEAD 404-080 Leadership in Organizations (Add-On)**

White, Harvey

Building the capability of organizations to develop and operationalize leadership capacity at all levels of an organization. Concepts and theories of organizational effectiveness studied relate to impacts of structure, culture, and other characteristics upon an organization's ability to unleash leadership potential. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: LEAD 100. Meets with the regular section.*

### **LEAD 490-080D Senior Capstone (Add-On)**

Stein, Karen

Engage in a project addressing "real world" leadership challenges. Successful project completion requires integration, synthesis and reflection upon knowledge and skills acquired in previous courses. Specific projects vary by semester. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: LEAD 100 and LEAD 341. Open to SR Honors LEAD majors only. This course satisfies the Senior Capstone Requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

## **Legal Studies (LEST)**

### **LEST 301-080 Introduction to Legal Studies (Add-On)**

Rise, Eric

*Please see CRJU 301-080 for course description.*

## **Linguistics (LING)**

### **LING 101-080 Introduction to Linguistics I (Free-Standing)**

Staff

This course focuses on the nature of language: structure of sounds, words, sentences, and meaning; relationships of language and society, culture, and thought. Emphasis is on language universals and variation both within and between languages, including non-Western and non-white varieties.

## **Languages, Literatures and Cultures (LLCU)**

### **LLCU 320-080 Varying Authors and Genres (Add-On)**

Riehl, Ester

The city of Berlin has long stood at the center of Germany's political and social turmoil. Its architecture remains a physical symbol of Prussia's rise to power and still contains remnants of Hitler's mad plans for a German Empire. The wall that cut the city in half became the central symbol of the Cold War, and since then city has reinvented itself again as the capital of a reunified Germany. We'll examine the history and image of Berlin through literary texts and films ranging from 19th to the 21st centuries. Students will write 5 short essays as well as midterm and final exams. Honors students will read one additional text (to be decided by student and professor) and then write about that text in a sixth essay.

*Meets with the regular section.*

### **LLCU 321-080 Anti-Heroes in Chinese Literature (Add-On)**

Chen, Jianguo

This course includes the study of the works of one or more outstanding authors or of a special theme. This course is taught in English. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *May be repeated for credit when topics vary. Meets with the regular section.*

### **LLCU 322-080 Classical Literature in Translation (Add-On)**

McClellan, Andrew

This course is a survey of ancient Greek tragedy and the society that produced it. The course will examine a representative sample of the major plays of the tragedians Aeschylus, Sophocles and Euripides. Among the topics considered will be: the tragic festivals, tragedy's relationship with Athenian democracy, the nature of Greek theaters and ancient theatrical production techniques, religion and drama, women and tragedy, tragic heroism, myth and tragedy, and the legacy of Greek tragedy in the modern world. Plays to be read include the Oresteia, Bacchae, Medea, Oedipus the King, and Antigone. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Meets with the regular section.*

### **LLCU 327-080 Topics: St. Petersburg in Russian and Soviet Literature in Translation (Add-On)**

Hulings, Julia

Come explore Peter the Great's "window to the West" through the works of well-known Russian authors such as Dostoevsky, Gogol, Pushkin, Bely and Solzhenitsyn. Decide for yourself, as the authors did: Is St. Petersburg the intolerable whim of an eccentric and overly ambitious tsar who settled a malarial swamp in the far north, or is it an enchanting muse, full of contradictions and beauty, to which one feels repeatedly obliged to return? The city Dostoyevsky called "the most abstract and premeditated city in the whole world" repulsed and excited authors during its 300 year history. It has survived natural disasters ranging from flood, famine, and disease, to man-made strife in the form of civil war, Stalinist purges, and an epic Nazi siege. Though it has suffered identity crises, undergoing numerous name changes and competing with Moscow as the favored center of government, Petersburg retains its beloved place in the soul of many Russians. This great city has generated its own spirit in literature and art and has taken on a life of its own; join us on a sweeping and memorable journey to know this "Venice of the north"! Honors students will read an additional novel or group of short stories and write one additional short paper on a related theme. *Meets with the regular section. Course is taught in English.*

### **LLCU 345-080 Modern Israel: History & Culture (Add-On)**

Gutman, Eynat

Interested in the study of modern Israeli culture? This course will enlighten you in many ways. What are the origins of Zionism? Who is an Israeli Sabra? How did factors and events like the Holocaust and the Arab-Israeli conflict shape the Israeli society of today? Taught in English, the course will address such questions: through historical background and the study of film, literature and music, we try to arrive to an understanding of this complex culture. In addition to regular class requirements, Honors students will have to submit a final paper. *Cross-listed with JWST 345-080. Meets with the regular section.*

## **Marine Studies (MAST)**

### **MAST 200-080 The Oceans (Add-On)**

Thoroughgood, C. A.

The regular MAST 200 class considers physical, chemical, geological and biological principles in examining how the oceans work, drawing heavily on current ocean issues to illustrate processes and problems. The Honors section experience will consist of two types of activities. First, the Honors students will be required to go into more depth about how the various physical, chemical, biological, geological, engineering and public policy aspects considered in the regular course are naturally integrated in the marine environment. Usually, this will entail some extra readings and the writing of 2 or 3 short papers on these integrative aspects during the course of the semester, leading to a longer summary paper near the end of the semester. Second, each Honors student will participate with the professionals in the Marine Advisory Service in interacting with the general public during Coast Day on the Lewes, DE

campus in October. The Honors section will meet together with the regular section, but it also will meet separately during the next regularly scheduled class period. For the month of September, the Honors section will meet twice a week to discuss the assignments, get connected with the Marine Advisory Service and prepare for Coast Day activities. After that, meetings will be held once a week or as needed. The grading will differ from the regular section in that participation in Honors activities and the writing assignments will count toward the final grade. Students with particularly restrictive schedules may not be able to participate. *Meets with the regular section.*

## **Mathematics (MATH)**

### **MATH 242-081, 081D, 081L Analytic Geometry and Calculus B** (*Free-Standing*)

Bacuta, Cristina

This course includes a review of exponential and logarithmic functions; inverse trigonometric functions; integration techniques; parametric curves; polar coordinates; infinite series. It includes the use of the computer package, Maple, to perform symbolic, numerical and graphical analysis. *PREREQ: MATH241. Open to incoming first-year Honors students only. Note: credit cannot be given for both MATH 242 and MATH 222. Enrollment in this course is determined by score on the Honors Calculus Placement Test.*

### **MATH 243-080, 080D, 080L Analytic Geometry & Calculus C** (*Free-Standing*)

Bhatnagar, Nayantara

This course will use traditional and nontraditional problems for group and individual projects to illustrate the useful techniques for dealing with functions of several variables. Specific topics include, but are not limited to, vector geometry, partial derivatives, multiple integration, line and surface integrals. *PREREQ: MATH 242. Open to incoming first year Honors students only. Enrollment in this course is determined by score of Honors Calculus Placement Test.*

### **MATH 349-080 Elementary Linear Algebra** (*Free-Standing*)

Guillot, Dominique

This course covers systems of linear equations, matrix algebra and determinants. It includes vector spaces, linear dependence and independence, basis and dimension. Topics include: linear transformations, similarity transformations and diagonalization problems, inner product spaces and least squares approximation. It emphasizes theory and application to other mathematics areas. The course includes computer use for analysis and solution of linear algebra problems. In this section of MATH 349, students will be asked to complete a project where they will use the techniques of linear algebra to solve real-world problems in their areas of choosing. *PREREQ: MATH 230 or MATH 242. Credit cannot be given for both MATH349 and either MATH 341, MATH342 or MATH351.*

### **MATH 512-080 Contemporary Application of Math** (*Add-On*)

Fok, Pak-Wing

This course is aimed at providing a hands-on learning experience in contemporary applications of mathematics. It involves work with investigators from industry, national laboratories, and other departments. Mathematical topics may include ordinary and partial differential equations, systems of differential equations, transform, asymptotic, and numerical methods. The Honors component will require students to complete a 'plan forward' addendum to their team's final project report. The 'plan forward' will be a detailed prescription for taking the project to the next level and for continuing the research project in new directions based on the results of the semester's work. *PREREQ: One 300 or higher level course in differential equations. Open to Honors JR and SR ONLY. This course satisfies the Senior Capstone Requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **MATH 530-080 Application of Math in Economics (Add-On)**

Edwards, David

This course covers convex functions and sets, duality, fixed point theorems, elementary game theory, and the theory of Nash and Walrasian equilibria; non-linear programming and the Kuhn-Tucker Theorem; dynamic optimization including dynamic programming and Pontryagin's Maximum Principle. There is an emphasis on applications and interpretation in terms of economic models. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: MATH302, MATH 349, ECON 301 and ECON 303. Meets with the regular section. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

### **Mechanical Engineering (MEEG)**

#### **MEEG 215-080 and 080D Mechanics of Solids (Add-On)**

Lu, Xin Lucas

This course is an analytical study of stresses and deformations and their application to the design of machine and structural elements under axial, torsional, bending and lateral loads. Buckling and energy methods are discussed. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Grade of C- or better in MEEG112 or CIEG211. Meets with the regular section.*

#### **MEEG 215-081 and 081D Mechanics of Solids (Add-On)**

Hossain, Md Zubaer

This course is an analytical study of stresses and deformations and their application to the design of machine and structural elements under axial, torsional, bending and lateral loads. Buckling and energy methods are discussed. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Grade of C- or better in MEEG112 or CIEG211. Meets with the regular section.*

#### **MEEG 341-080/080D Thermodynamics (Add-On)**

Doty, Heather

This course covers the basic concepts of thermodynamics including properties of substances and gas mixtures, energy, entropy, and exergy. It discusses first and second law analysis of systems and control volumes, applications to steady-flow devices and systems in power production, propulsion, and air conditioning. Honors students will be asked to conduct research on contemporary issues and applications of thermodynamics and present an example of such to the class. *Open to Honors MEEG majors only. COREQ: MATH 351. Meets with the regular section.*

### **Medical Laboratory Sciences (MEDT)**

#### **MEDT 398-080 Body Fluid Analysis (Add-On)**

McLane, Mary Ann

The analysis of body fluids is the cornerstone of the practice of medical technology. This course explores the information obtained by accurate analysis of urine and other non-blood body fluids. How this information can provide a pattern essential to the assessment of a person's health or pathology will be discussed. The role of quality assurance in the development and performance of such tests will be emphasized. Honors students will examine a series of case studies to explore more intensely the relationship between clinical laboratory data and patient outcomes, learn digital photomicroscopy, and develop their own website clinical cases. **This is a 1 credit course.** *PREREQ: BISC208 and CHEM104 or CHEM108. COREQ: MEDT399. Meets with the regular section for lecture; separate Honors discussion.*

### **MEDT 399-080L Body Fluid Analysis Laboratory (Add-On)**

Cascino, Elizabeth

This course offers an overview of protocols, technical and clinical correlations involved in body fluid analysis of non-blood body fluids, including urine, synovial, cerebrospinal, seminal, serous, amniotic and gastric fluids. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: BISC208 and CHEM104 or CHEM108. COREQ: MEDT398. Meets with the regular section.*

### **MEDT 420-080 Immunohematology II (Add-On)**

Allshouse, Leslie

This course is the study of blood and component transfusions, their risks, complications and quality assurance. Also blood component therapy and testing of the neonate and adult. Honors students will review additional patient case studies related to the course information, and using PowerPoint will present case studies to their classmates during a regularly scheduled lecture period. *PREREQ: MEDT409. Meets with the regular section.*

### **MEDT 430-080 Diagnostic Bacteriology and Medical Mycology (Add-On)**

Parent, Michelle

This course covers the practice of diagnostic bacteriology by emphasizing the correlation of in vitro and in vivo findings in the diagnosis and treatment of infectious disease, including human mycoses. Identification of pathogenic and nonpathogenic bacteria and fungi in clinical specimens will be studied. The role of molecular testing in the clinical laboratory is becoming the "gold standard" for diagnosis of many infectious diseases of public health concern. Honors students will investigate molecular methods currently used to evaluate microbiological diseases, agents of bioterrorism, mechanisms of antimicrobial resistance among infectious microorganisms, and epidemiological studies. The student will take the knowledge gained in lecture, discussion groups, and his or her individual research and integrate it into two different presentation formats, a lay presentation and a peer presentation. *PREREQ: MEDT360 and MEDT406. Meets with the regular section.*

## **Management Information Systems (MISY)**

### **MISY 160-080 Business Computing: Tools and Concepts (Free-Standing)**

Wright, Diane

This is an introductory course that covers concepts, technology, and practical experience with current business information systems. During the semester we will study the workings of computers and their peripherals, software, systems development, and systems within an organization. Heavy emphasis will be placed on computer exercises that involve spreadsheets, databases and personal web pages. For more information visit the website <http://www.udel.edu/monke>. Emphasis will be placed on current issues in information systems and information technology, with students contributing to weekly discussions. Additional content such as hands-on work with an enterprise system will be included. *Open to Honors students whose majors require the course. Some seats reserved for incoming first-year Honors students.*

## **Music (MUSC)**

### **MUSC 185-080, 081, 082 and 083, 084 Aural Skills I (Add-On)**

Duker, Phil

This course covers techniques of sight singing and music reading skills and the development of ability in aural recognition of melody, harmony and rhythm. Please contact the instructor for the course description and the specific Honors components and grading rubric for the Honors work. *Student must pass department musicality test. Open to incoming first-year Honors music majors and minors. All sections meet with the regular sections plus one extra hour per week.*

### **MUSC 312-080 & 081 Music History: 1600-1827** (*Free-Standing*)

Murray, Russell/Gentry, Philip/Purciello, Maria

MUSC 312 is a history of musical style and theory during the Baroque period (1600-1750), and the Classic period through the death of Beethoven (1827). Students will meet on a regular basis to discuss issues of performance practice for this period, and each student will focus on a project dealing with the performance issues related to a piece of their choice, culminating in a performance of that piece.

*PREREQ: MUSC311, MUSC295, and MUSC286 with a grade of C- or better or permission of the instructor.*

*Offered fall semester only. Enroll in MUSC312-081 in order to fulfill the A&S 2<sup>nd</sup> Writing Requirement. Only MUSC312 -081 requires consent of instructor.*

### **Neuroscience (NSCI)**

#### **NSCI 100-080 Psychology and Brain Science** (*Free-Standing*)

Roth, Eric

This psychobiology course merges components of biology, psychology, and neuroscience to explore aspects of behavior and cognition. From neurophysiology to anatomy to psychopathology a broad array of subjects are covered. Beyond the textbook, students are also introduced to scientific reading and writing. In class, we explore relevant scientific journal articles. Outside of class, each student will write up a mini review paper on a chosen topic. Another important component of this class focuses on careers in neuroscience. Students personally meet a variety of neuroscience related University of Delaware graduate students and faculty and then participate in interactive question and answer sessions discussing undergraduate research opportunities, graduate school, medical school, and related neuroscience careers. *All seats reserved for incoming first year Honors PSYC and NSCI majors.*

#### **NSCI 320-080 Introduction to Neuroscience** (*Free-Standing*)

Knox, Dayan

This course provides the foundation necessary to understand the neural basis of emotion, cognition, and behavior. It focuses on the: a) development and anatomical organization of neural systems in the brain, b) the cellular, neurochemical, and molecular events that underlie neural signaling and synaptic transmission, and c) the mechanisms by which those aggregate processes regulate synaptic plasticity to express adaptive and maladaptive behaviors through learning, memory, cognition and emotions.

*PREREQ: C- or better in PSYC100 or NSCI100.*

### **Nutrition & Dietetics (NTDT)**

#### **NTDT 200-080 Nutrition Concepts** (*Free-Standing*)

Fang, Cheng-Shun

This course covers the functions and sources of nutrients, dietary adequacy, energy balance and metabolism with emphasis on health promotion. It includes weight control, evaluation of popular diets, vegetarianism, eating disorders, alcohol, other current issues and concerns in nutrition. *Most seats reserved for incoming first-year Honors students.*

#### **NTDT 400-081 Macronutrients** (*Add-On*)

Kuczmarowski, Marie

This course covers the metabolism of carbohydrates, proteins and fats in human nutrition, interdependence and relation to energy metabolism/balance, scientific bases of macronutrient requirement during the life cycle. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: NTDT 200, CHEM 214, and CHEM 216. Meets with the regular section.*

**NTDT 401-080 Micronutrients (Add-On)**

Fang, Cheng-Shun

This course examines the mechanisms and interactions of vitamins and minerals in cellular metabolism, scientific bases of nutrient requirements during the life cycle. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: NTDT400. Meets with the regular section.*

**NTDT 450-080 Medical Nutrition Therapy I (Add-On)**

Grim, Andrea

This course covers skills required for patients' nutritional management. Medical nutrition therapy for dysphagia and adaptive feeding. Pathophysiology, diet and disease relationships and diet therapy for gastrointestinal conditions, obesity, diabetes and cardiovascular diseases. The Honors section will explore in depth one of the chronic diseases covered in this course. Students will conduct an independent project focused on individuals with the selected chronic disease. In addition, students will write a final report and do a class presentation. *PREREQ: NTDT 250, NTDT 400, BISC 276. Meets with the regular section.*

**NTDT 460-080 Community Nutrition (Add-On)**

Staff

This course focuses on nutritional care as a part of health maintenance, health promotion, and health care delivery in community settings. It also covers the relationship of community resources, structure and dynamics to an individual's ability to be well fed. We will discuss community nutrition assessment and programming; news events and public policy tracking and presentation. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Open to majors only. PREREQ: NTDT 321 and NTDT 400. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets with the regular section.*

**Nursing (NURS)****NURS 235-080 Health, Vulnerability & Diversity (Add-On)**

Johnson, Amy

This course focuses on health promotion and cultural diversity in individuals, families, and communities across the lifespan. Special attention is paid to the nursing care of vulnerable populations. Diverse points of view regarding wellness, self-care and personal growth are emphasized. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: NURS110. Open to Honors NURS majors only. Meets with the regular section.*

**NURS 354-080 Psychosocial Nursing (Add-On)**

Graber, Jennifer

This course presents and examines selected concepts and theories related to restoring and maintaining optimal health of patients experiencing psychopathology. Selected laboratory and field experiences are included to enhance concepts. Based on their unique interests, Honors students assist in defining and developing a clinical experience and evidence-based practice project that deepens the understanding of a specific course content area. *PREREQ: NURS222, NURS241 & NURS242 or NURS312, NURS250 or NURS253. Open to Honors NURS majors only. Meets with the regular section.*

**NURS 356-080 Care of Children and Families (Add-On)**

Riley-Lawless, Kathleen

This course presents selected concepts and theories related to the nursing care of infants, children and adolescents and their families. Selected laboratory and field experiences are included to enhance concepts. Please contact the instructor for the specific Honors components and grading rubric for the

Honors work. *PREREQ: NURS222, NURS241 & NURS242 or NURS312, NURS250 or NURS253.*  
*Meets with the regular section.*

**NURS 382-080 Communities and Health Policies (Add-On)**

Hall-Long, Bethany

This course examines nurse's role in community health and health policy. Major issues affecting healthcare and current political issues examined. Issues of bioterrorism, environment, and occupational health included. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: NURS222, NURS241 & NURS242 or NURS312, NURS250 or NURS253.*  
*Open to Honors NURS majors only. Meets with the regular section.*

**NURS 459-080L Clinical: Psychosocial Nursing (Add-On)**

Hanna-Ronald, Christine

This course includes the clinical application of science and nursing theories of care for clients with acute and chronic psychiatric healthcare needs. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: All 300-level required nursing courses.*  
*Meets with the regular section.*

**Philosophy (PHIL)**

Newly added course

**PHIL 303-080 Modern Philosophy (Add-On)**

Shabo, Seth

This course will cover scepticism and the birth of Modernity. Topics include Bacon and scientific experimentalism; Hobbes materialism, Descartes, Spinoza and Leibniz; Locke, Berkeley, Hume and Kant; and the Age of Enlightenment and its impact on philosophy, science and religion. Please contact the professor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

**PHIL 310-080 Chinese Religion and Philosophy (Add-On)**

Fox, Alan

In this course we will read and discuss the works of several important thinkers in the Chinese philosophical traditions, including the Confucians, Daoists, Mohists, Buddhists, Neo-Daoists, and Neo-Confucians. We will be interested in both the content and the methodology of Chinese philosophy. It is important to remember that this is a 300-level philosophy course, and although no prior experience in philosophy is required and no knowledge of the Chinese language is necessary, still the class will be demanding and will require that you think deeply about the materials. The Honors section will run concurrently with and meet at the same time as the non-Honors section, but will read and write about more in-depth works on topics that run concurrently with the syllabus of the regular section. We will meet additionally once every other Wednesday after class for an hour to discuss the additional material. This means that students with extremely restrictive schedules might not be able to participate. The grading will differ from the regular section in that class participation will count for a higher percentage of the final grade, and this will cover the work done in the smaller group. *Meets with the regular section.*

**PHIL 330-080 Philosophy of the Mind (Add-On)**

Adams, Frederick

In this course we will consider some of the traditional problems associated with the mind body problem. For example: Is the mind the brain or is it nonphysical? What makes something a mental state or a mind? We shall also look at some of the more recent issues in philosophy of mind. We will consider work on the nature of consciousness and look at claims about whether we can make computers that can think. We will close by looking at work in cognitive ethnology where the goal is to discover as much as we can

about the minds of nonhuman animals. The grades will be determined on the basis of quizzes, short papers, and a final exam. The format will be lecture and discussion. Class participation will be an important component of the course. Honors experience will involve additional readings summaries and opportunities to attend campus lectures on topics related to the material for the course. *Cross-listed with CGSC 330-080. Meets with the regular section.*

Newly added course

**PHIL 465-080 Senior Seminar: Free Will (Add-On)**

Shabo, Seth

This course covers various authors and themes; e.g., Plato, Kant, epistemology, philosophy of mind. RESTRICTIONS: Open only to Philosophy Majors and by permission of instructor. Please contact the professor for the specific Honors components and the grading rubric for the Honors work. *Open to PHIL majors only. Meets with the regular section.*

**Physics (PHYS)**

**PHYS 207-080, 080D, 080L Fundamentals of Physics I (Free-Standing)**

Shay, Michael

This is the first course in a sequence with PHYS 208 that provides an introduction to physics for those in the physical sciences and engineering. Topics will include projectile motion, Newton's Laws, energy conservation principles, linear and angular momentum, torque, systems of particles, oscillations, and gravity. Topics in addition to these will be covered for the Honors section, such as computational analysis, rocket motion, and special relativity, time permitting. For the Honors section the topics will be covered in a more rigorous and thorough manner than the standard PHYS 207 course. Although the co-requisite for this course is MATH 241, it is recommended that a student be proficient in calculus before entering the course. An emphasis is placed on conceptual understanding and long answer problem solving, combined with laboratory experience. *PREREQ: One year of high school calculus recommended. COREQ: MATH 241. Only one course from PHYS201, PHYS207, and SCEN101 can count toward graduation.*

**Plant and Soil Science (PLSC)**

**PLSC 100-080 Plants and Human Culture (Add-On)**

Barton, Susan

This course is a current survey of interrelationships between plants and diverse human cultures. Different cultural lenses, such as socio-economic status, cultural heritage and residential environment are used to explore landscapes. Issues, including invasive species, water management and garden benefits provide opportunities for discussion and problem solving. The Honors section will include a group project in which students study a place on or near campus where plants and humans interact. Individual students' experiences will be analyzed to draw conclusions about how humans respond to plants. A day-long weekend field trip to the New York City High Line will afford students a great opportunity to people and plant watch. *Meets with regular section; separate Honors discussion meets three times during semester.*

**PLSC 101-080 Botany I (Add-On)**

Bais, Harsh

This course covers introductory botany and stresses fundamental concepts and processes in plants. Topics include cell structure and function, anatomy, genetics, reproduction, physiology, taxonomy, phylogeny and ecology. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *Meets with the regular section.*

**Political Science (POSC)**

**POSC 240-080 Introduction to Global Politics (Free-Standing)**

Weinert, Matthew

This introductory course surveys the range of analytical approaches to, and concepts, issues, and processes of global politics. As a means of organizing the sheer breadth of both the practice and study of international relations, the course first examines several perspectives that present distinct ways of explaining and understanding global politics. Some parts of the course will be predominantly lecture-based, while other sections will be heavily reliant on student discourse and engagement with pertinent questions. Students will be assessed by a variety of methods, including testing, writing (including analytical briefs and a research paper), and formal, in-class debates on matters of pressing international concern.

*Open to incoming first-year Honors POSC and IR majors only.*

### **POSC 482-080 America in the Middle East** (*Free-Standing*)

Green, Daniel

This course examines the history of America's engagement in the Middle East, as well as the general international relations of that region, with an emphasis on developments since 1979. After a brief introduction on the mechanics of American foreign policy-making and America's global political and strategic position over time, we spend much of the semester on America's involvement in regional oil politics, the Middle East peace process, the first and second Iraq Wars, relations with Iran, and plans for Middle East democratization and the Bush II administration. The last half of the semester will cover relatively current events in the region, with an emphasis on the complicated regional politics after the Iraq War and the Arab Spring. This will include two simulation exercises, on a Gaza war and the ISIS crisis. Evaluation will be based upon a mid-term and final exam, a medium-length research paper, performance in the simulations, and one or two short writing assignments.

## **Psychology (PSYC)**

### **PSYC 100-080/081 General Psychology** (*Free-Standing*)

Medina, Jared

This is a foundation course in the basic concepts of the scientific study of behavior. The first half concentrates on research methods, the brain, sensation, perception, learning, and cognitive processes. The second half considers intelligence, personality, mental disorders, psychotherapy, and social psychology. The course will be taught to emphasize how science proceeds through a dialogue between theory and experiment, rather than a compilation of neutral facts. Class reaction to the ideas will be encouraged to allow for student participation in the scholarly conversation. The focus will be on understanding the determinants of behavior from multiple perspectives. *Open to Honors FR & SO only.*

*Most seats reserved for incoming first-year Honors students.*

### **PSYC 320-080 Introduction to Neuroscience**

Knox, Dayan

This course is a survey of the basic sciences of the brain in relation to behavioral phenomena, including perception, memory, fear and aggression, and several mental disorders. *Cross-listed with NSCI 320-080.*

*PREREQ: C- or better in PSYC 100 or NSCI100. Open to Honors NSCI and PSYC majors only.*

### **PSYC 415-080 History and Systems of Psychology** (*Free-Standing*)

Ackerman, Brian

This course describes the historical development of cultural and psychological concepts that frame understanding of group and individual differences. *PREREQ: C- or better in PYSC100 or NSCI100. This course will satisfy the Senior Capstone Requirement for the Honors Degree if taken in one of the last two semesters before graduation.*

## **Russian (RUSS)**

### **RUSS 305-080 Russian Conversation and Composition (Add-On)**

Cherashneva, Natallia

This course includes the discussion of current cultural, social and political topics in Russia and the former republics. Topics include vocabulary building, grammar exercises and frequent compositions. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: Any 200-level course conducted in Russian. Meets with the regular section.*

### **RUSS 455-080 Selected Authors, Works & Themes: Women Writers (Add-On)**

Hulings, Julia

Author Tatyana Tolstaya asks, "Woman, exactly what are you?" The poetry and prose of Russian women writers attempt to answer her very difficult question. Their works reveal the many overlapping hats a woman was expected to wear: those of respectful daughter, submissive wife, dutiful mother, dedicated worker, and, in these cases, relentless recorder of life and ideas. Add all household chores, all child-rearing activities, and an unsupportive husband, and the picture intensifies, especially during the Soviet era of sexual equality when a woman was expected also to hold down a full-time job, doing her part for the advancement of Communism. Through women as writers, a severely underrepresented category in Russia category until well into the 20<sup>th</sup> century, readers can begin to understand the way that Russian women of all walks of life look at their world and how they cope with their lot in life. From the late 19<sup>th</sup> century, with the one female who arose from a sea of men, Karolina Pavlova, through the next century's beloved and persecuted Anna Akhmatova, and the radical free-love advocate Alexandra Kollontai, and continuing on to the still active Tolstaya and Lyudmila Ulitskaya, women writers open a whole new world. Honors students will choose an additional project (to be determined with the professor according to that student's interests.) *PREREQ: Two 300-level Russian literature courses. May be repeated for credit when topics vary. Meets with the regular section.*

## **Sociology (SOCI)**

### **SOCI 201-080 Introduction to Sociology (Free-Standing)**

Perez, Victor W.

Sociology is a dynamic perspective used to study social behavior and its complex relationship to larger social structure and social institutions. In this course, you will develop the sociological perspective through active learning and problem solving, employing innovative perspectives to study the nature of the self, the complex relationship between the individual and society, and various characteristics of social institutions and the consequences they produce for social experience and life chances. We will examine how commodification, rationality, globalization, and medicalization have fundamentally changed social experience and the human condition in modern society. By the end of the semester, you will be better able to critically evaluate and insightfully participate in society, while also developing a more introspective look at who you are within it. *All seats reserved for incoming first-year Honors Program students.*

## **Spanish (SPAN)**

### **SPAN 200-084 Spanish Composition & Grammar (Free-Standing)**

Haq, Fatima

This course is the first part of a thorough grammar review and intensive practice, targeting structure, essential vocabulary, speaking, listening and extensive writing. *PREREQ: SPAN 107 or SPAN 112.*

### **SPAN 201-085 Spanish Reading & Composition (Free-Standing)**

McKenna, Susan

This course emphasizes the advancement of reading, writing, listening, and speaking skills while studying literary selections from Spain and Latin America. Students will strengthen their analytical skills while

reading narrative, poetry, drama, and essay as well as increase their knowledge of the literary terms and movements encountered in more advanced literature classes. Compositions will be based on original analyses of the readings and will be directed towards reinforcing the use of literary terminology. Several meetings outside of regular class time will allow for film screenings and cultural excursions. **PREREQ:** SPAN 200.

**SPAN 205-080 Spanish Conversation (Add-On)**

Newly added course

Finnicum, Carmen

This course will include the practical use of Spanish by means of oral reports and discussions. There is an emphasis on improvement of basic conversational skills. There will be grammar review where appropriate, and/or some written work. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. **PREREQ:** SPAN107, SPAN112, SPAN200 or SPAN201. **RESTRICTIONS:** *A minimum grade of B is required in SPAN107 or SPAN112. Not intended for native speakers of Spanish. Students may not receive credit for both SPAN205 and SPAN206. Meets with the regular section.*

**SPAN 300-080, 081, 082 Advanced Spanish Grammar and Composition I (Add-On)**

Glen, Lee/Saad Maura, Asima

This course is the second part of a thorough review and intensive practice, targeting structure, essential vocabulary, speaking, listening and extensive writing. Students in the honors section will keep a discussion thread in Canvas about various topics (i.e. grammatical concerns, historical and cultural issues based on the readings or any other activity related to the course, current news, movies, tv programs, etc. They will prepare summaries of some of the readings in the textbook, as well as answer extra essay questions on exams. Students will meet in person with la profesora at least twice a month and create audiovisual portfolios (after writing an essay on a particular subject, students will prepare a short videos to submit via Canvas; grade will be based on content, pronunciation and grammar). **PREREQ:** SPAN 200. *Meets with the regular section.*

**SPAN 301-080 Survey Of Spanish Literature (Add-On)**

Botello, Jesus

This course is an introduction to key Medieval and Golden Age texts. The course familiarizes the student with historical periods, social and political realities, and cultural, historical, and artistic movements. Honors students will work with the professor to further develop the student's critical thinking through textual analysis and literary theory. Honors students will also meet individually with the professor, and present specific topics to the class during the semester. **PREREQ:** SPAN 201. *Meets with the regular section.*

**SPAN 303-080 Survey of Spanish American Literature (Add-On)**

Selimov, Alexander

This course examines representative works in all genres of Latin American literature from pre-Columbian to Modernism. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. **PREREQ:** SPAN 201. *Meets with the regular section.*

**SPAN 303-081 Survey of Spanish American Literature (Add-On)**

Braham, Persephone

This course examines representative works in all genres of Latin American literature from pre-Columbian to Modernism. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. **PREREQ:** SPAN 201. *Meets with the regular section.*

**SPAN 303-082 Survey of Spanish American Literature (Add-On)**

McInnis-Dominguez, Meghan

This first half of the survey of Spanish-American literature includes readings from the chronicles of the 16th century "conquistadores" up to the "Modernistas" of the late 19th century. Through these readings we will learn of the uniqueness of the Spanish-American lands and people, and their struggles against injustice. Students will write a research paper on a historical, biographical, literary or cultural theme related to class discussion and will present their findings. The best papers will be submitted to competition (Geis, Sigma Delta Pi, MCLAS). Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

**SPAN 314-080 Spanish Phonetics and Phonology (Add-On)**

Busch, Hans-Joerg

This course is highly recommended for prospective Spanish teachers and students who want to improve and practice their pronunciation and intonation in Spanish. The course will help you to understand how the Spanish phonetic system evolved from Latin, and is organized, compared to the system in English. This, together with a wealth of practical exercises will enable you to lose the typical "American accent", and to speak like a Spaniard. You will learn how to divide Spanish words into syllables, where and when to put written accents, how to pronounce vowels and consonants, as well as learn about Spanish rhythm, intonation, linguistic variation, the evolution of the language, and phonetic transcription. You will also be able to explain to your future students why we today use the article "el" with words like "agua", why we use the feminine form of adjectives to create adverbs, where "ñ" and "ll" come from, why intervocalic "d" is often omitted, and much much more. If available, you will do a translation (English-Spanish) for an organization that serves the Hispanic community in our area, for example Community Legal Aid Society, Inc., or La Comunidad Hispana and Project Salud, in Kennett Square, PA, under the supervision of your professor. Furthermore you will be teamed with a Spanish speaker from the English Language Institute of this University to further practice your Spanish and help your partner with his/ her English communication skills. Please contact the instructor for the specific Honors components and grading rubric for the Honors work. *PREREQ: SPAN200. RESTRICTIONS: Recommended for prospective teachers. Meets with the regular section.*

**SPAN 325-080 Spanish Civilization and Culture (Add-On)**

Botello, Jesus

This course is a survey of geography, history, art and society of Spain. Honors students will have to write a special two page paper about a topic selected by the instructor and do a 15 minutes presentation about a different topic about Spanish culture. *PREREQ: SPAN200. Meets with the regular section.*

**SPAN 326-080, 081 Latin American Civilization and Culture (Add-On)**

Braham, Persephone

This course is a student-centered class in which students will research and analyze fundamental aspects of the geography, history, politics and cultural production of Latin America from pre-Columbian times to the present. We place particular emphasis on questions of human rights, colonialism and nationalism, intervention, and globalization and migration. This is a process-oriented course, in which students are encouraged to discover the historical causes of modern-day problems in Latin America; improve research and analytical skills; develop independent learning skills; and master practical academic and presentation technologies. Honors students have additional assignments designed to deepen their understanding of important concepts or documents related to Latin America and to refine their presentation skills in Spanish. Students will work individually with the instructor to develop a presentation with an accompanying learning activity for the class. *PREREQ: SPAN 200. Meets with the regular section.*

**SPAN 401-080 Advanced Composition and Grammar (Add-On)**

Busch, Hans-Joerg

SPAN 401 is not a systematic study of Spanish grammar. (That is the purpose of SPAN 200 and 300.) In this course students will practice and apply what they have learned in previous courses, as well as broaden their vocabulary through different kinds of writings (i.e. summaries, opinion papers, narrations, feature articles, descriptions, poems, short stories, etc.), projects and class participation. Furthermore, they will have the opportunity to study and practice more in-depth those structures that traditionally cause the most problems. For example: subjunctive vs. indicative, past tenses, prepositions and pronouns, reflexivity, active vs. passive, text progression, determination, word order, direct vs. indirect speech, sequence of tenses, use of complex tenses, etc. The SPAN 401 textbook contains an array of authentic readings about the culture, history, and politics of Spain and Latin America. The overall goal of SPAN 401 is to help students reach the ACTFL Language Testing Advanced-Low Level. Students registered in the Honors section must volunteer in a community project, for example with the Community Legal Aid Society, Inc., or La Comunidad Hispana and Project Salud, in Kennett Square, PA - where you can use your knowledge of Spanish to help people in need. I can also set you up with a Spanish speaking student from the English Language Institute. You will have to meet with this language partner on a regular basis to speak Spanish/English with each other, keep a diary to document your meetings and your progress. Expect to spend at least 10 hours during the semester for the Honors component. *PREREQ: One 300-level Spanish course. Meets with the regular section.*

### **SPAN 401-081 Advanced Composition and Grammar (Add-On)**

Saad Maura, Asima

SPAN 401 NO es un repaso sistemático de la gramática española. Este es el propósito de SPAN 200 y SPAN 300. En SPAN 401 vas a practicar y aplicar lo que has aprendido en las clases anteriores y ensanchar tu vocabulario, a través de redacciones y tu participación en clase. Además tendrás la oportunidad de estudiar y practicar más a fondo las estructuras que tradicionalmente les causan problemas a los estudiantes, por ejemplo el subjuntivo, la concordancia de tiempos, el uso de los tiempos del pasado, el uso de preposiciones y pronombres (entre ellos los reflexivos), y otras. Si te inscribiste en la sección de honores, tienes que participar en una tertulia con estudiantes hispanohablantes del ELI una vez a la semana. Vamos a discutir el día y la hora en los primeros días de clase. No hay ninguna nota para esta actividad. Si participas activa y regularmente en la tertulia, tu dominio del español y soltura van a mejorar, lo que se reflejará en tu nota. *PREREQ: One 300-level Spanish course. Meets with the regular section.*

### **SPAN 490-080 Capstone Seminar: Hispanic Literature (Add-On)**

Ilarregui, Gladys

This course is an intensive seminar conducted in Spanish and devoted to the study of a selected aspect of transatlantic Hispanic literature over time. You will synthesize prior literary and cultural studies in Spanish through immersion in an area that integrates and expands student's existing knowledge. Course curriculum emphasizes independent research and intensive critical writing. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *PREREQ: One of SPAN 301, 302, 303, 304, 355 or 370 and one SPAN 400-level course. This course satisfies the Senior Capstone requirement for the Honors Degree if taken in one of the last two semesters before graduation. Meets after the regular section.*

## **Theater (THEA)**

### **THEA 104-080 Introduction to Theatre and Drama (Free-Standing)**

Tague, Steve

Theater is storytelling, artful storytelling. Storytelling has been as central to human development as food and shelter. Why is storytelling so important to us? It's a long way from storytelling in a cave around a fire to Phantom of the Opera. What happened in between? We will attempt to answer these questions as we look at the great plays of Western Civilization that put forth further questions, like who are we and

why are we here. Plays won't answer those questions, but they do tend to, as David Mamet says, "air out our conflicts" and at their best, invite us to, "lay down the burden of reason." In this course we will reason our way through theater literature as well as dance with the unreasonable.

## **Urban Affairs and Public Policy (UAPP)**

### **UAPP 110-080 Changing the World: The Role of Public Policy (Add-On)**

David, Nina

Policy is how communities at all levels address their complex challenges in such areas as health, education, energy, housing, poverty, economic growth and environmental sustainability. Public policies are the product of choices made by governments that drive public investments, create rules and sanctions, establish services and security, guide and regulate markets and businesses, and allocate benefits and costs to citizens. This course examines major contemporary policy issues, and reviews the strategies that are adopted to address these policy challenges at the local, national and global levels. The Honors section will include participation in extended discussions with the instructor, and the development and presentation of a policy analysis paper on a topic related to the student's area of interest. *Open to Honors UAPP majors only. Some seats reserved for incoming first-year Honors majors. Meets with the regular section.*

### **UAPP 225-080 Crafting Public Policy (Add-On)**

Staff

The course provides a view of how the processes of public policy operate from agenda setting through formulation and legitimation, to implementation and eventual evaluation with examples drawn from several areas of policy (e.g., health, education, and environment). The focus will be primarily on domestic public policy. The Honors section of this course will emphasize analysis and use of the policy process model in research. In particular, these students will have greater exposure to related theoretical models associated with the policy process and to empirical research based on those models. Additional work will include: a written assignment describing a particular theoretical tradition, a written assignment reflecting on policy research related to the students' area of interest, and the analysis of public policy presentations on campus using these concepts. *Open to Honors UAPP majors only. Meets with the regular section.*

### **UAPP 325-080 Public Policy Analysis (Add-On)**

Barnes, Philip

Policy analysis involves the ability to critically and systematically analyze and evaluate public policies. This course introduces students to the methods and processes used to analyze policies. Its emphasis is on the practical application of policy analysis principles and concepts to address contemporary public problems. Honors students will critically evaluate several professional policy analyses in their interest area, orally present their findings to the class, prepare a longer-length policy analysis, and meet regularly with the instructor for one-on-one feedback. *Open to Honors UAPP majors only. Meets with the regular section.*

## **Women and Gender Studies (WOMS)**

### **WOMS 210-080 Women and Religion (Add-On)**

Naccarelli Reese, Jennifer

This course explores the relationship between sacred text and women's religious and societal roles within Christianity, Judaism, Islam, Hinduism and Buddhism during diverse historical moments. We will examine the experience of women operating within the confines of their various traditions as well as consider those who pushed the boundaries of their faith communities. We will also utilize a variety of feminist approaches to the study of religion. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work. *Meets with the regular section.*

**WOMS 240-080 Women and Violence (Add-On)**

Laberge, Marie

This course analyzes a variety of issues and topics relating to women and violence, including rape, domestic violence, images of women in popular culture, incest and child abuse, pornography, sexual harassment and women who use violence. It presents descriptive materials, sociological analysis and strategies for change.

Please contact the instructor for the specific Honors components and grading rubric for the Honors work.

*Meets with the regular section.*

**WOMS 322-080 Classical Literature in Translation (Add-On)**

McClellan, Andrew

This course will cover special topics in Greek and Roman culture and civilization. Particular areas and writers to be announced, e.g., ancient epic, ancient drama, Greek literature in translation. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work.

*Meets with the regular section.*

**WOMS 336-080 Feminist Cultural Studies (Add-On)**

Stetz, Margaret

This course situates cultural forms created by women in historical context. Novels, poems, television, plays, rituals, film, paintings, music, electronic media, technology, sculpture, food, clothing and/or architecture reveal perspectives of women's time, class, nation, race, and ethnicity. Relates feminism, gender and the production of culture. Please contact the instructor for the specific Honors components and the grading rubric for the Honors work.

*PREREQ: Any WOMS 200-level course. Meets with the regular section.*

**WOMS 350-080 Gender and Criminal Justice (Add-On)**

Miller, Susan

Most of our knowledge about crime and the criminal justice process is informed by male experiences. This course shifts the focus to examine the ways our legal and social systems affect and influence women's lives.

Not only will we examine the various formal and informal controls that restrict women, but we will also examine how these issues intersect one's race, class, sexual orientation, and gender positions in our society.

Special criminal justice field experiences (police, courts, women's prison) will be part of the Honors component.

*Cross-listed with CRJU 350-080. Open to Honors CRJU and WOMS majors only. Meets with the regular section.*

## Honors Degree and Honors Degree with Distinction Approved Capstone/Seminar Courses

**Notes:** Courses listed in bold are being offered this fall. You must take these courses for Honors credit to count as Honors Degree Capstone/Seminar courses.

Only courses listed below will count as Honors Degree Capstone or Honors Degree Seminar courses.

Asterisks (\*) indicate a note at the end of the table.

Department	Course No.	Course Title
<b>Accounting</b>	<b>ACCT 425-080</b>	<b>Strategic Information Systems &amp; Accounting</b>
<b>Animal and Food Science</b>	ANFS 404-080* ANFS 411-080 ANFS 417-080* <b>ANFS 418-080</b>	Dairy Production Food Science Capstone Beef Cattle and Sheep Production <b>Swine Production</b>
<b>Anthropology</b>	ANTH 486-090*◆ ANTH 487-090*◆	Social and Cultural Anthropology Tutorial in Archaeology
<b>Art Conservation</b>	<b>ARTC 495-080</b>	<b>Seminar: Preservation Capstone</b>
<b>Art History</b>	<b>ARTH 406-080</b> <b>ARTH 445-080</b>	<b>Seminar: Medieval Jerusalem</b> <b>Seminar: East Asian Studies</b>
<b>Behavioral Health &amp; Nutrition</b>	<b>NTDT 460-080</b> NTDT 475-080 BHAN490-080	<b>Community Nutrition</b> Transcultural Foods and Cuisine (Hawaii section only) Development of Health Promotion Programs
<b>Biomedical Engineering</b>	<b>BMEG450-080</b>	<b>Biomedical Engineering Design</b>
<b>Business Admin.</b>	<b>BUAD 441-080*</b> BUAD 478-080	<b>Strategic Management</b> (Honors in fall semester only) Field Projects in Marketing
<b>Civil &amp; Environ. Eng.</b>	<b>CIEG 461-080*</b>	<b>Senior Design Project</b>
<b>Chemical Engineering</b>	CHEG 432-080	Chemical Process Analysis
<b>Cognitive Science</b>	CGSC 485-090◆ CGSC 485-091◆	Language and Thought Language, Music and the Brain
<b>Communication</b>	COMM 490-080	Communication Honors Capstone
<b>Computer and Information Science</b>	<b>CISC 475-080</b>	<b>Object Oriented Software Engineering</b>
<b>Computer and Electrical Engineering</b>	CPEG/ELEG 499-080	Senior Design II
<b>Economics</b>	ECON 423-080 <b>ECON 435-080</b> <b>ECON 436-080</b> <b>ECON 530-080</b>	Econometric Methods & Models II <b>Contemporary Macroeconomic Policy</b> <b>Seminar in Public Policy Economics</b> <b>Application of Math in Economics</b>
<b>Education</b>	EDUC470-080	Topics in Education
<b>Energy and Environmental Policy</b>	<b>ENEP 472-080</b>	<b>Senior Thesis</b>
<b>English</b>	<b>ENGL 480-080</b> <b>ENGL 480-081</b> <b>ENGL 491-080</b>	<b>Seminar: Lit Visions of Heaven, Shadows of Hell</b> <b>Seminar: Fantasy: From Tolkien to Rowling</b> <b>Methods of Teaching Secondary English</b>
<b>Fashion &amp; Apparel Studies</b>	<b>FASH 484-080</b>	<b>Design Expressions</b>

<b>Environmental Science/ Studies</b>	<b>ENVR 468-000</b> <b>ENSC 468-000</b>	<b>Honors Directed Research</b> <b>Honors Directed Research</b>
<b>Finance</b>	FINC 413-080	Advanced Corporate Finance
<b>History</b>	HIST 411-080 <b>HIST 475-080</b>	Seminar in American History <b>Seminar in Modern European History</b>
<b>Human Development &amp; Family Studies</b>	<b>HDFS 422-080</b> HDFS 481-080*	<b>Family Relationships</b> Student Teaching Seminar
<b>Hospitality, Business Management</b>	<b>HOSP 489-080</b> <b>HOSP 495-080</b>	<b>HRIM Restaurant Management Practicum II</b> <b>Hospitality Feasibility Studies</b>
<b>Kinesiology &amp; Applied Physiology</b>	<b>KAAP 400-080, 081, 082, 083</b>	<b>Research Methods</b>
<b>Leadership</b>	<b>LEAD 490-080</b>	<b>Senior Capstone</b>
<b>Mathematical Sciences</b>	MATH 380-080♦ MATH 460-080 <b>MATH 512-080</b> <b>MATH 530-080</b>	Approaches to Teaching Mathematics Introduction to Systems Biology <b>Contemporary Applications of Mathematics</b> <b>Application of Mathematics in Economics</b>
<b>Mechanical Engineering</b>	MEEG 401-090♦	Senior Design
<b>Medical Laboratory Sciences</b>	MEDT 473-080* MEDT 475-080* MEDT 477-080* MEDT 479-080*	Clinical Chemistry Practicum Clinical Hematology Practicum Clinical Microbiology Practicum Clinical Immunohematology Practicum
<b>Nursing</b>	NURS 478-080	Clinical: Care of Populations
<b>Philosophy</b>	PHIL 465-080	Senior Seminar
<b>Physics</b>	PHYS 660-080	Computational Methods of Physics
<b>Psychology</b>	<b>PSYC 415-080</b>	<b>History and Systems of Psychology</b>
<b>Spanish</b>	<b>SPAN 490-080</b> SPAN 491-080	<b>Hispanic Literature</b> Latin American Studies Capstone
<b>Urban Affairs and Public Policy</b>	UAPP 440-080	Contemporary Policy Issues
<b>Women's Studies</b>	WOMS 410-080	Women's Studies Capstone
<b>Honors Program</b>	<b>UNIV 490-080</b> <b>UNIV 495-080</b>	<b>Honors Tutorial: Books That Blow Your Mind</b> <b>Honors Seminar: Contemplative Ecology</b>
<b>Undergraduate Research</b>	<b>UNIV 402-080</b>	<b>Second Semester Senior Thesis</b> <i>(Must be taken for no less than 3 credits.)</i>

**NOTES (indicated by \*):**

ANFS 404 and 417: Offered in alternating springs.

ANTH 486/487: Available to ANTH majors only. Made Honors through Individual Honors Contract.

BUAD 441: Offered as an Honors course in fall semester only.

CPEG/ELEG 499: Offered spring only.

CIEG 461: To count as a Capstone, both semesters (4 cr.) must be taken for Honors credit.

CISC 475: Offered as an Honors course in fall semester only.

ENGL 480: Open to ENGL majors only. ENGL 491 open to ENGL ED majors only.

HDFS 481: Open to ECED majors only.

MEDT 473, 475, 477, and 479: Open to MEDT majors only.

MEEG 401: Made Honors in fall through Individual Honors Contract.

UNIV 495: Offered in fall semester only.

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Notes (indicated by ♦): Course requires Individual Honors Contract Form to be made Honors.