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<th>Course Code</th>
<th>Course Title</th>
<th>CRN</th>
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<tr>
<td>ALS 199H</td>
<td>U-ENGAGE, Explore, Evolve with the UHC</td>
<td>18025</td>
<td>001</td>
<td>LEC</td>
<td>R 1700 - 1850</td>
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<td></td>
<td>Instructor(s): LeeAnn Baker</td>
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<td>In this course you will be challenged to ENGAGE, EXPLORE, and EVOLVE within a collaborative, and supportive Honors community. You will ENGAGE with various faculty, services, and resources that OSU has to offer, EXPLORE your interests and career goals in depth, and EVOLVE your skills in communication, and critical thinking. This course will guide you through the beginning stages of the UHC Thesis, laying the ground work for a successful thesis experience. The course is team taught by faculty and peer leaders. Students must be in their first year, first term at OSU. Satisfies 1 credit towards Thesis &amp; 1 credit towards Elective. This course also satisfies the TheSIS START and LEARN component. Graded: P/N Satisfies: UHC Elective/Thesis</td>
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<td>ANS 121H</td>
<td>Introduction to Animal Science</td>
<td>16864</td>
<td>001</td>
<td>LEC</td>
<td>MWF 1000 - 1050</td>
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<td>AND</td>
<td>16865</td>
<td>010</td>
<td>LAB</td>
<td>T 1400 - 1550</td>
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<td></td>
<td>Instructor(s): Matt Kennedy &amp; Dawn Sherwood</td>
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<td>Principles of breeding, physiology, nutrition, and management as they apply to modern livestock and poultry production. Current issues affecting livestock and poultry production will be researched and discussed in class. Students will prepare and present oral and written information on the breeds of livestock and poultry. Hands-on opportunities with the various species will be provided in the laboratory sessions. Course Fee $55.00 Satisfies: Bacc Core - Biological Sciences</td>
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<td>ANTH 447H</td>
<td>Arctic Perspectives on Global Problems</td>
<td>20209</td>
<td>001</td>
<td>LEC</td>
<td>TR 1000 - 1150</td>
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<td>Instructor(s): Drew Gerkey</td>
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<td>The Arctic is on the frontline of today's most pressing global problems. This course uses Arctic perspectives to explore issues affecting us all: climate change, environmental conservation, traditional ecological knowledge, development, energy extraction, indigenous rights, and indigenous media. Using insights from Arctic perspectives, we will plot pathways toward potential solutions. Satisfies: Bacc Core - Cultural Diversity</td>
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BB 314H  
**Cell and Molecular Biology**

Instructor: Indira Rajagopal

Crosslisted with BI 314H. Fundamental concepts of prokaryotic and eukaryotic cell biology. Emphasizes cell structure and function at the molecular level. This Honors recitation will focus on recent research. Students will read and discuss recent articles and write research papers on topics of special interest. Lecture common with non-Honors. Recitation is reserved for UHC students enrolled in lecture section of BI 314H. The optional BI 405H credit provides an additional credit for research done during the lab section. Lecture, recitation, and research total 5 OSU credits. Grades will be determined as follows: Exams (2 midterms and a final) 60%; Recitations (Reading, discussion, research paper, etc.) 40%. PREREQS: (BI 211/211H) and (BI 212/212H) and (BI 213/213H) and (CH 331 or CH 334). CH 331 or CH 334 may be taken concurrently to this course. Satisfies: **UHC Elective**

**BI 211H  
Principles of Biology**

Instructor(s): Nathan Kirk & Indira Rajagopal

Origins of life, energy transformations, plant and animal physiology. PREREQS: General Chemistry (may be taken concurrently). This course is for life science majors and pre-professional students. **Course Fee $29.00** Satisfies: **Bacc Core - Biological Sciences**

**BI 314H  
Cell and Molecular Biology**

Instructor: Indira Rajagopal

Crosslisted with BB 314H. See BB 314H for course description. Satisfies: **UHC Elective**
CBEE 101H  CHE, BIOE and ENVE Orientation

CRN: 15758  AND  Section 001  LEC  M 1800 - 1850  2 UHC Credit(s)
CRN: 15759  AND  Section 010  REC  F 1500 – 1650
CRN: 15760  Section 012  LAB  W 1500 - 1650

Instructor(s): Skip Rochefort

Introduction to the Chemical, Biological, and Environmental Engineering professions for first year and transfer students. The primary purpose is to introduce students to the fields of chemical, biological, and environmental engineering and career opportunities within those fields, as well as to develop basic skills for a career in engineering. Lecture is common with non-honors, recitation and lab are reserved for UHC students enrolled in the lecture section of CBEE 101H. Lecture, recitation, and lab total 3 OSU credits. Satisfies: UHC Elective

CBEE 211H  Material Balances and Stoichiometry

CRN: 19068  AND  Section 001  LEC  MF 1200 - 1250  1 UHC Credit(s)
CRN: 19069  AND  Section 010  REC  T 1400 – 1450
CRN: 19070  Section 011  STD  W 1700 – 1750

Instructor(s): Phil Harding

Material balances, thermophysical, and thermochemical calculations. Lecture Sec. 001 and Recitation 010 is common with non-honors, the studio is reserved for UHC students enrolled in the lecture and recitation section of CBEE 211H. Students must enroll in CBEE 211H lecture, recitation, and studio. Lecture, recitation, and studio total 3 OSU credits. PREREQ: MTH 252/252H. Satisfies: UHC Elective

CH 231H  Honors General Chemistry

CHOOSE ONE LECTURE AND ONE OF THE CORRESPONDING RECITATION SECTIONS

CRN: 20785  AND  Section 001  LEC  MWF 1200 - 1250  4 UHC Credit(s)
CRN: 20787  OR  Section 010  REC  T 1100 – 1150
CRN: 20788  OR  Section 011  REC  R 1400 - 1450

CHOOSE ONE OF THE LABORATORY SECTIONS

CH 261H
CRN: 16859  OR  Section 010  LAB  T 1200 - 1450  1 UHC Credit(s)
CRN: 16860  OR  Section 011  LAB  R 1500 – 1750

Instructor(s): Vincent Remcho & Michael Burand

This is the first course in a General Chemistry sequence for Honors College students with one year of high school chemistry. This sequence examines the characteristics of molecular and atomic behavior and the way in which these influence chemical properties and reactions. PREREQ: One year of high school chemistry and acceptable aptitude test scores. CH 231H and CH 261H must be taken concurrently. Course Fee $30.00 Satisfies: Bacc Core - Physical Sciences
CH 361H Experimental Chemistry I 3 UHC Credit(s)

CRN: 13064 AND CRN: 13065 OR CRN: 13066 AND CRN: 13067
Section 001 LEC T 1300 - 1350
Section 011 LAB T 1400-1650 & R 1300-1650
Section 002 LEC W 1300 – 1350
Section 021 LAB W 1400-1650 & F 1300-1650

Instructor(s): Kevin Gable & Emile Firpo

First term of the integrated laboratory program for chemistry majors and biochemistry/biophysics majors, combining first hand techniques in organic, physical, and analytical chemistry. This is an advanced chemistry laboratory emphasizing organic chemistry techniques, use of instrumentation and computers, along with technical report writing. Students develop critical thinking skills and learn essential technical standards of: acidification, filtration, weighing, titration, recrystallization, melting point determination, organic synthesis of water sensitive compounds, product isolation, fractional distillation, gas chromatography, and scientific data analysis using spreadsheets. Each student will keep a legal scientific laboratory notebook and receive training in proper use of chemicals, chemical fume hoods, Personal Protective Equipment (PPE), and how to determine chemical hazards using Material Safety Data Sheets (MSDS).

PREREQ: (CH 221, CH 222, & CH 223) OR (CH 224H, CH 225H, & CH 226H) OR (CH 231/231H, CH 232/232H, CH 233/233H & (CH 261/261H OR CH 271), (CH 262/262H OR 272), & (CH 263/263H OR 273)) and COREQS: MTH 251/251H and (PH 201 or PH 211) and CH 334. Only Chemistry, Biochemistry and Biophysics majors/minors/options may enroll. Contact the Chemistry department for registration. Non-Refundable Course Fee $44.00. Satisfies: UHC Elective

CH 461H Experimental Chemistry II 3 UHC Credit(s)

CRN: 13464 AND CRN: 13494
Section 001 LEC T 1300 - 1350
Section 010 LAB T 1400-1650 & R 1300-1650

Instructor(s): Christine Pastorek

Integrated laboratory for junior level chemistry majors and related disciplines concentrating on modern techniques in analytical chemistry. Students learn the basics of scientific instrumentation by building their own absorption and fluorescence spectrometers from electronic and optical modules. Firsthand experience is also gained using a variety of commercial instrumentation, such as diode array UV-Vis, scanning fluorimeter, HPLC, AA and ICPAES. Real samples are analyzed throughout the term, and a special project of the student’s design is a final highlight. See the course web page for examples of past projects. PREREQS: CH 362/362H & CH 421 & CH 440. CH 421 and CH 440 can be taken simultaneously to this course. Contact the Chemistry department for registration. Non-Refundable Course Fee $44.00. Satisfies: UHC Elective
CH 464H  Experimental Chemistry II

CRN: 13068  AND  CRN: 13465
Section 001  LEC  M 1300 - 1350  Instructor(s): Chong Fang
CRN: 13068  AND  CRN: 13465
Section 011  LAB  M 1400-1650 & W 1300-1650

Senior level integrated laboratory for chemistry majors and related disciplines such as biochemistry, physics, and engineering. Covers experimental techniques of analytical, organic, inorganic, and physical chemistry, with the emphasis on the latter two. Consists of three projects: Project 1 – Synthesis and Equilibrium of HCl, DCl, DBr, and HBr; Project 2 - Synthesis and Characterization of CdSe Quantum Dots; Project 3 - Ordering in Nematic Liquid Crystals. PREREQ: CH 362/362H & CH 442 (or approval of instructor). CH 461 or CH 324 is recommended. Contact the Chemistry department for registration. Non-Refundable Course Fee $44.00. Satisfies: UHC Elective

CHE 331H  Transport Phenomena I

CRN: 19108  AND  CRN: 19109
Section 001  LEC  MWF 1100 - 1150  Instructor(s): Goran Jovanovic
CRN: 19108  AND  CRN: 19109
Section 010  REC  TR 1200 – 1250

Fundamentals and application of momentum and energy transfer phenomena to fluid flow for the design of industrial chemical engineering equipment. Lecture Sec. 001 is common with non-honors. Recitation is reserved for UHC students enrolled in the lecture section of CHE 331H. Lecture and recitation total 4 OSU credits. PREREQ: MTH 256/256H and CBEE 212. CBEE 212 can be taken concurrently. Must be in Pro-School. Satisfies: UHC Elective

ENG 205H  Survey of British Literature: Restoration to the Romantic Era

CRN: 20210
Section 001  LEC  TR 1200 - 1350  Instructor(s): Evan Gottlieb

This course surveys British literature from the Restoration (1660) through the Romantic Era (1830). Starting with excerpts from Milton's Paradise Lost, we will chart the development of poetry from epic and satirical to lyrical and personal, as well as the rise of the realistic novel via Tobias Smollett and Jane Austen. Themes will include nationalism, gender relations, and changing attitudes toward the environment. Satisfies: Bacc Core - Literature & Arts OR Western Culture
ENG 213H  Literature of the World: Middle East

CRN: 17578  Section 001  LEC  TR 1600 - 1750  4 UHC Credit(s)

Instructor(s): Gilad Elbom

This class will focus on modern Middle Eastern literature from multiple perspectives: cultural, political, religious, historical, geographical, linguistic, structural, stylistic, and other points of view. The books on our reading list include a controversial Sudanese novel that navigates between East and West, the present and the past, the personal and the political; a famous work of Egyptian feminism; a surrealistic, hallucinatory, self-deceptive novel from Iran; and two landmarks of Palestinian fiction: one originally written in Arabic, the author’s native tongue, the other in Hebrew, the language of the dominant culture that classifies the author as the enemy. We will also watch some movies from the Middle East, mostly from Egypt and Israel. We will compare visual and written texts, make connections between our novels and Middle Eastern cinema, and expand our analysis of narrative structures and thematic concerns. This class will be based on active participation in ongoing discussions about the material. Consistent attendance, a very close reading of the texts, and a high level of involvement in our conversations will be crucial. Be prepared for occasional quizzes. Both the midterm and final exams will be based on our class discussions. The ability to raise questions and propose new directions to explore and discuss will be encouraged, appreciated, and rewarded.  
Satisfies: Bacc Core - Cultural Diversity OR Literature and the Arts

ENGR 211H  Statics

CRN: 16937  Section 001  LEC  MW 1300 - 1350  3 UHC Credit(s)
CRN: 18901  Section 010  REC  F 0800 - 0950

Instructor(s): Ben Mason

Analysis of forces induced in structures and machines by various types of loading. PREREQS: MTH 252/252H. Sophomore Standing in Engineering.  
Satisfies: UHC Elective

ENGR 407H  Experiencing Engineering Research

CRN: 17769  Section 001  SEM  F 1000 - 1150  2 UHC Credit(s)

Instructor(s): Belinda Batten

The College of Engineering seeks to encourage faculty/student collaboration in research and to engage students in the study of issues related to engineering. ENGR 407H supports College of Engineering Honors College students by providing exposure to research faculty and to research projects in the College of Engineering. Therefore, students should view this course as an opportunity to form relationships with research faculty and to develop research ideas for their Honors College thesis. ENGR 407H will be operated in a seminar format. College of Engineering researchers will present their research and encourage discussion with students. The primary learning outcomes of this course relate to the demonstration of knowledge about engineering research. Specifically, students will be able to identify current issues relevant to engineering research topics, describe a variety of research methodologies in engineering that are appropriate to a particular topic, and be able to design a research study in engineering.  
Graded: P/N  Satisfies: UHC Colloquia
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<th>Course</th>
<th>Title</th>
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<th>Description</th>
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<tr>
<td>ES 353H</td>
<td>Environmental Racism</td>
<td>20211</td>
<td>001</td>
<td>LEC</td>
<td>TR 1000 - 1150</td>
<td>Natchee Barnd</td>
<td>Introduces environmental racism: the unequal impact of environmental harm on communities of color and indigenous peoples. Presents empirical evidence and theoretical frames, and explores efforts by government, residents, and activists to combat it. Considers questions of environmental justice via social structure, public access, open space, indigeneity, food, and media. <strong>Satisfies: Bacc Core - Difference, Power, and Discrimination</strong></td>
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<td>FIN 340H</td>
<td>Finance</td>
<td>16050</td>
<td>001</td>
<td>LEC</td>
<td>MW 0800 - 0950</td>
<td>John Becker Blease</td>
<td>Role and functions of a financial manager in the modern business environment in which a manager operates; formulation of financial objectives and policies; financial analysis, forecasting, planning, and control; asset management; capital budgeting; acquisition of funds through borrowing, stock issue, and by internal means; dividend policy; and international aspects of finance. <strong>PREREQS: ((BA 213 or BA 215/215H) and (ECON 201/201H)) and junior standing. Junior standing waived for Honors students. Satisfies: UHC Elective</strong></td>
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<td>H 364H</td>
<td>Drugs, Society and Human Behavior</td>
<td>16863</td>
<td>001</td>
<td>LEC</td>
<td>TR 1200 - 1320</td>
<td>Ray Tricker</td>
<td>This course provides students with opportunities to examine the complexities surrounding the use and abuse of drugs in the United States today. Course content will include discussion of the health and social effects of the use and misuse of alcohol, tobacco, stimulant and depressant drugs, medications, hallucinogens, marijuana and other illegal drugs; and the public health aspects of using/abusing these drugs. Through the selection of an applied assignment, students will be able to explore the phenomenon of addictive behavior, in addition to formulating a personal philosophy related to drug use. The challenges inherent in trying to prevent substance abuse will be addressed, with particular regard to the multi-tiered influences on decisions to abuse drugs e.g. the physical and psychological environment, socioeconomic status, poverty, minority status and lack of opportunity, and national policy to name a few. <strong>PREREQS: PSY 201 or 202. Prereqs are waived for Honors students. If needed, see UHC advisor for override. Satisfies: UHC Elective</strong></td>
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<tr>
<td>HC 199</td>
<td>Honors Writing</td>
<td>11532</td>
<td>001</td>
<td>LEC</td>
<td>MWF 900 - 950</td>
<td>Eric Hill</td>
<td>Becoming a critical reader and thinker promotes clear writing and verbal communication. You will hone your skills in a discussion/debate format, along with frequent in-class writing assignments and presentations. You will also further develop your abilities to be a critical reader. We will be examining texts from many disciplines and on a variety of topics; you will also bring in examples for discussion. The research paper, which includes both formal documents and informal writing, will focus on an ethical/controversial issue or current research within your discipline; this will include field and library research. <strong>Satisfies: Bacc Core - Writing II</strong></td>
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<td>11533</td>
<td>002</td>
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<td></td>
<td>15817</td>
<td>003</td>
<td>LEC</td>
<td>TR 1000 – 1120</td>
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HC 299  Building Homes and Hope: International Service Learning

CRN: 17579  Section 001  SEM  W 1500 - 1550  1 UHC Credit(s)

Instructor(s): David Kovac

This course series is designed to engage students in exploring the impact, perspectives, challenges, and complexities of international non-profit and service work, paying particular attention to the affects of sub-standard housing in the destination country/community of our Summer Service Trip & Field Study tentatively scheduled for the first few weeks of summer term. The fall course focuses on the cultural context and perspective of international service work; the winter course examines the impact of service work on individual, group, community, and societal structures; and the spring course highlights group development and team building for international project success. The course series is open to any student interested in learning about international service work. Satisfies: UHC Colloquia

HC 299  Farside Entomology

CRN: 17053  Section 002  SEM  W 1800 – 1950
CRN: 19449  Section 006  SEM  M 1800 - 1950  2 UHC Credit(s)

Instructor(s): Michael Burgett

Farside Entomology is designed to introduce you to the humanistic side of entomology by utilizing the entomological humor of Gary Larson, et alia as paradigms of human-insect interactions. Interactions between humans and insects are numerous, of variable time scales and of varying implications (for both the human and the insect), ranging from the mildly humorous to the deadly serious. The "cartoon" format normally provides an anthropomorphic view of insects. This can be an incredibly rich venue as an introduction to the more serious aspects of insects and their relevance to human activities. Satisfies: UHC Colloquia

HC 299  Oregon Outback Tour

CRN: 15260  Section 003  SEM  Sept. 21-23, 2015  2 UHC Credit(s)

FIELD TRIP AND COURSE OCCURS PRIOR TO THE START OF THE TERM (SEPT 21-23).

Instructor(s): John Buckhouse

The 2015 Oregon Outback Tour will visit several remote and seldom seen places in the Ochoco National Forest of east central Oregon. This is an area which is rich in both ancient geologic history and modern ecological and settlement history. It is a land of interesting geology; landslides, canyons, sage-covered hills; and vegetation transitions between sagebrush steppe and ponderosa pine forests. We will study desert and semi-arid wildland ecology, geologic formations, soils, vegetation, and cultural circumstances. We will be hiking and camping in rough and remote areas (no backpacking). Cell phone coverage will be spotty to non-existent. Meals will be prepared on-site and will consist of hearty, healthy, camp-style fare. Persons with dietary constraints are advised to contact Dr. Buckhouse (john.c.buckhouse@oregonstate.edu). We will be leaving Corvallis at noon on Sept. 21 and return mid- afternoon on Wed Sept 23. (Classes begin at OSU on 9/24). Individuals need to provide his/her own sleeping bag, a small tent, clothing, footwear, hats, coats, gloves and personal items. First year, first term freshman are not eligible to take this course. Non-Refundable Course Fee $71.00 Graded: P/N Satisfies: UHC Colloquia
HC 299  The History Games

CRN: 20213  Section 007  LEC  F 1400 - 1550  2 UHC Credit(s)

Instructor(s): Marisa Chappell & Amy Koehlinger

Greenwich Village 1913: Suffrage, Labor, and the New Woman takes students to the beginning of the modern era when urbanization, industrialization, and massive waves of immigration were transforming the U.S. way of life. As the game begins, suffragists are taking to the streets demanding a constitutional amendment for the vote. What, they ask, is women’s place in society? Are they to remain in the home or take an active role in the government of their communities and their nation? Labor has turned to the strike to demand living wages and better conditions; some are even proposing an industrial democracy where workers take charge of industries. Can corporate capitalism allow an economically just society or must it be overturned? African-Americans, suffering from the worst working conditions, disenfranchisement, and social segregation, debate how to support their community through education and protest, thereby challenging their continuing marginalization in both the South and the North. Members of all these groups converge in Greenwich Village to debate their views with the artists and bohemians who are in the process of remaking themselves into the new men and new women of the twentieth century. Their spirited conversations not only show a deep understanding of nineteenth-century thinkers like Elizabeth Cady Stanton and Karl Marx; they are also informed by such contemporaries as Charlotte Perkins Gilman, Jane Addams, W.E.B. Du Bois, Emma Goldman, John Dewey, Franz Boas, and Sigmund Freud. The game asks what social changes are most important as well as how one can or should realize these goals.  **Graded: P/N  Satisfies: UHC Colloquia**

HC 407  Race and Science

CRN: 18902  Section 001  SEM  R 1000 - 1150  2 UHC Credit(s)

Instructor(s): Thomas Bahde

Until the mid-20th century, many Americans believed that scientific determinations of race difference justified discrimination and racism, and we still live with repercussions of this assumption today. It has only been within the last half-century that mainstream scientific thought has dismissed the notion of fundamental race difference as a “natural” means of social organization and control. This course considers the role of modern science and pseudoscience in producing and reproducing ideologies of race and racism from the early 19th century through the present. We will be looking especially at the intersection of popular cultures of racism and the dissemination of racial science and pseudoscience. We will investigate how ideas about race difference have corresponded to the waxing and waning of scientific justifications for institutional racism and white supremacy.  **Graded: P/N  Satisfies: UHC Colloquia**

HC 407  Leadership and Positive Psychology

CRN: 17580  Section 003  SEM  W 1000 - 1150  2 UHC Credit(s)

Instructor(s): Don Johnson

This seminar will examine the relationships between leadership and positive psychology using Seligman’s PERMA theory as a contextual base for examining “action orientated leadership” and “visionary orientated leadership.” Students will compare and contrast the differences between the two forms of leadership. Students will learn about the foundations of Seligman’s PERMA Theory on Positive Psychology/Well Being, and how this theory can serve as a baseline for leading groups through visionary leadership design.  **Graded: P/N  Satisfies: UHC Colloquia**
HC 407  God, Pain, and the Problem of Evil: An Introduction to C.S. Lewis

CRN: 16999  Section 004  SEM  M 1600 - 1750  2 UHC Credit(s)

Instructor(s): Gary Ferngren

C. S. Lewis (1898-1963), Oxford don, novelist, literary critic, and theologian, was one of the most gifted and popular theological writers of his generation. From the point of view of orthodox Christianity, Lewis dealt in his theological and imaginative works with some of the most basic and perennial moral and religious questions. **Graded: P/N Satisfies: UHC Colloquia**

HC 407  The Science of Art – The Art of Science

CRN: 17581  Section 006  SEM  R 1000 - 1050  1 UHC Credit(s)

Instructor(s): Randall Milstein

What do ballerinas and spiral galaxies have in common? Why is photography one of the pivotal inventions of human history? Is the Golden Ratio really a mathematical expression of beauty? This colloquium challenges the mindset that science and art are opposing endeavors, but instead suggests neither would be as powerful without the other since both require great imagination and creativity to move forward. Guests to aid in our discussions will include visual artists, musicians, dancers, and scientists whose interests and skills blend science and art. **Graded: P/N Satisfies: UHC Colloquia**

HC 407  Crises, Catastrophes, and Cataclysms in Earth History

CRN: 17582  Section 008  SEM  T 1000 - 1050  1 UHC Credit(s)

Instructor(s): Randall Milstein

Often Earth has a bad day: a discussion of asteroid impacts, extreme volcanism, solar storms, climate change, and mass extinctions - events and outcomes that have, and will, alter life on Earth. This colloquium will review the scientific evidence, scenarios, and after-effects of significant Earth-altering processes. What would happen if Earth was struck by a two kilometer in diameter asteroid? What would happen to American culture if a large coronal mass ejection from the Sun destroyed our power grid? What would be the byproduct of a SARS or avian influenza pandemic among humans? **Graded: P/N Satisfies: UHC Colloquia**

HC 407  The History of Aviation

CRN: 17583  Section 009  SEM  W 1800 - 1950  2 UHC Credit(s)

Instructor(s): David Ullman

Machines that fly have evolved for over 200 years and the arc is continuing - beginning with George Caley in the early 19th century, through the Wright Brothers in the early 20th century, the era of records in the 1920s and 30s, the evolution of the war machine in the 1940s, the pilotless eye in the sky of the last 10 years, and onto the promise of unmanned, composite, electric aircraft. This course examines the development of the technologies, politics and cultural attitudes toward commercial, military, general aviation and science fiction air travel. We examine the trajectory of these evolutions and try to predict what air travel will look like by mid 21st century. What will your grandchildren see when they look up? How will they fly? **Graded: P/N Satisfies: UHC Colloquia**
Instructor(s): Eric Hill

This course will examine the various processes of translation, literally and figuratively. We perform acts of translation whenever we read, write, listen, or speak. Translation is not just restricted to deciphering a foreign language; it also applies to understanding jargon, colloquialisms, slang, euphemism, idiomatic expressions, gestures, and images. Students will look at how we use and think about (or sometimes how we don’t think about) language. We will begin with some fundamental concepts that will include etymology, grammar, and some historical background of the evolution and commonality of languages.

Since we will be looking at the concept of translation in this broad sense, students need not necessarily speak a language other than English to take this class. In fact, we will also be discussing the various Englishes we all speak. Students will be asked to critically examine examples of translation. They will write about and present examples of how language works in a variety of contexts. Graded: P/N Satisfies: UHC Colloquia

Instructor(s): Gilad Elbom

Our goal in this seminar will be to examine notions of carnal love in science-fiction cinema, paying attention to representations of passion, desire, sex, sensuality, emotion, reproduction, androids, androgyny, and other related topics. How do futuristic movies envision close encounters of the intimate kind? Is there room for courtship, romance, rejection, heartbreak, and other arguably outmoded concepts in a future world marked by cold precision, mathematical formulas, and technological perfection? Is there room for impure thoughts, unmade beds, and the inherently confusing nature of physical contact in excessively clean, calculated, controlled environments? We will try to develop our ideas through questions about genre, design, narrative formulas, exploration, experimentation, gender relations, human-computer interaction, intercultural encounters, utopia and dystopia, and other themes. We will also read some essays on the topic—to be posted on Blackboard—and address our movies from multiple perspectives and approaches: social, political, historical, psychological, technological, theological, and so on. This course runs from 10/5-11/16. Its first session meets on 10/5/15 and its last session meets on 11/16/15. Graded P/N Satisfies: UHC Colloquia

Instructor(s): Zhenglun Li & Kate Field

Lectures will cover a broad range of topics related to fuels and chemicals produced from bioresources. The course aims to serve the students as an in-depth colloquium on multiple scientific disciplines, and to equip the students with a variety of field knowledge that is related to their future studies. This course also offers opportunities of experiential learning through field trips to regional bioenergy companies and tours to on-campus research labs. Satisfies: UHC Colloquia
HC 407   Soundscaping  
CRN: 20542  Section 016  SEM  TR 1600 - 1750  
2 UHC Credit(s)  
Meets 9/24/15 -10/27/15  
Instructor(s): Tom Strini  
Trained musicians and utter novices in music can benefit from the Soundscaping experience, which encourages a deeper more analytical way of perceiving music and opens the door to free, thoughtful musical composition to those who could not begin to write a conventional score. Within the Soundscape, students who might not be able to write a note of music can compose music -- and have a good time doing it. This course will meet from 9/24/15 – 10/27/15, with its last session meeting on Tuesday 10/27/15. Graded P/N Satisfies: UHC Colloquia

HC 407   Dawn of the Anthropocene  
CRN: 20744  Section 017  SEM  R 1400-1450  
1 UHC Credit(s)  
Instructor(s): Jacob Hamblin  
We grew up believing that “geological time” and “human history” were quite distinct, with one extending across ages beyond imagination and the other occurring as a tiny blip. But in recent years, scientific findings about the lasting effects of climate change, deforestation, ocean acidification, and other human-caused natural changes have led us to a new realization: we now live in an era of the earth’s history that is defined by human influence. How has this changed the ways we look at the world around us? Does it require a new brand of ethics? Does it make us rethink our own history? Does it direct our imagination? In this course we will explore the environmental arts and humanities to confront the ways our culture responds to living in an age we did not intend, yet is of our own making. Graded P/N Satisfies: UHC Colloquia

HC 407   Human Rights and Conflict  
CRN: 20942  Section 018  SEM  T 1000-1150  
1 UHC Credit(s)  
Meets First Five Tuesdays of the Term Only  
Instructor(s): Edward Edy Kaufman  
This colloquium builds the participants' understanding of the connections and tensions of human rights and conflict transformation within a contemporary international context. Participants are introduced to the values, norms, techniques and processes that are affecting policy and action when state and non-state actors are confronted in violent conflict. The course introduces the paradigms of human rights and conflict management and highlights the complexity of their application with concrete cases through simulations. Students are called up to deal with the dilemmas of decision-makers and search for common ground solutions [airport profiling, Hebdo caricatures of Mohammed, targeted killings/extra-judicial executions and the use of drones, torture when the "bomb is ticking"]. The course will be taught by Prof. Edward (Edy) Kaufman, Co-Director of CIDCM’s Partners in Conflict and Partners in Peacebuilding Projects, who has served both as Director of CIDCM and as Executive Director of the Truman Institute for Peace at the Hebrew University in Jerusalem. Dr. Kaufman is an expert in the areas of the teaching and training of conflict resolution, and facilitation of workshops with CIDCM’s “Partners in Conflict” program. He has served for many years as a member of the International Executive Committee of the Nobel Peace Laureate, Amnesty International, the Committee for Scientific Freedom and Responsibility, as well as the Advisory Board of Human Rights Watch/Middle East. Meets First Five Tuesdays of the Term Only. Graded P/N Satisfies: UHC Colloquia
HC 408 Workshop THESIS: LEARN

CRN: 15533  Section 002  WS  R 1700 - 1850  1 UHC Credit(s)

Instructor(s): LeeAnn Baker, Indira Rajagopal, and David Hurwitz

This course will guide students through the second stage of the Thesis Success in Stages (TheSIS) process: LEARN. In this course students will lay the groundwork for a successful thesis experience. We will focus on the value of the thesis, what it takes to successfully complete a thesis (e.g. identify a mentor, identify a topic, level of effort required), and we’ll hear from students and faculty with experience in the thesis process. Thesis: LEARN will assist you in completing four tasks: 1) analyzing a completed thesis, 2) meeting with faculty to learn about research opportunities, 3) interviewing faculty as potential mentors, and 4) completing online research ethics training. This course meets three times throughout the term and is team taught. Prereqs: Prior completion of TheSIS stage: START. Meets 10/8, 10/22, & 11/19 Only. Graded: P/N Satisfies: UHC Thesis/Research/Projects

HC 408 Workshop THESIS: UNDERTAKE

CRN: 17584  Section 001  WS  R 1700 - 1850  1 UHC Credit(s)

Instructor(s): Michael Burgett

This course will guide students through the third stage of the Thesis Success in Stages (TheSIS) process, UNDERTAKE. During this course students will select a thesis mentor, create a thesis statement, write a thesis proposal, and begin to develop a research plan. The course will require participants to turn in a completed Thesis Proposal, Agreement & Timeline, signed by a thesis mentor, by the end of the term. This course meets twice throughout the term and is team taught. To take this course you must have completed all previous TheSIS stages. For full details please see: honors.oregonstate.edu/thesis. Meets 10/15 & 11/12 Only. Graded: P/N Satisfies: UHC Thesis/Research/Projects

HC 408 Workshop THESIS: GRADUATE

CRN: 20212  Section 003  WS  F 1400 - 1550  1 UHC Credit(s)

Instructor(s): Tara Williams

This course will guide students through the final stage of the Thesis Success in Stages (TheSIS) process. The goals of Thesis: GRADUATE are the completion of a thesis draft, the preparation for the thesis defense and the design of a thesis poster. Students need to have completed their research and be prepared to begin writing the thesis draft. This course meets three times throughout the term. To take this course you must have completed all previous TheSIS stages. For full details please see: honors.oregonstate.edu/thesis. Meets 10/2, 10/16, & 10/30 Only. Graded: P/N Satisfies: UHC Thesis/Research/Projects
HC 409  PRAC/Civic Engagement

CRN: 17828  Section 005  PRAC  TBD  1 UHC Credit(s)

Instructor(s): Leanna Dillon

The Center for Civic Engagement provides an opportunity for honors students to earn credit while participating in an ongoing community engagement project within the local community and exploring a community need or issue area of interest. Participating honors students commit to serving on average 2-3 hours per week within their project site, keeping track of their service hours, and completing a 2 page reflection paper on their experience and views on social responsibility due at the end of the term. Suggested readings will be provided. Students must meet with a UHC advisor to complete a Learning Agreement as well as a CCE staff member. Please reflect on your interest areas and review the list of community placement opportunities at: http://oregonstate.edu/cce/ongoing before meeting with the CCE. Placement must take place no later than the end of finals week the term prior to enrollment. Graded: P/N  Satisfies: UHC Elective

HC 409  PRAC/Conversants

CRN: 11838  Section 007  PRAC  TBD  1 UHC Credit(s)

Instructor(s): Leanna Dillon

The INTO OSU Cultural Ambassador Conversant Program provides an opportunity for honors students to earn credit while participating in a mutual cultural exchange. Participating honors students commit to meeting on average one hour per week with their international partner, keeping a log of the times and places they met and the topics discussed, and completing a 2 page reflection paper due at the end of the term. Program information, including the application process is available at http://oregonstate.edu/international/cultural-ambassador. Students must meet with a UHC advisor to complete a Learning Agreement. Applications must be submitted online no later than the end of week 1. Graded: P/N  Satisfies: Elective

HST 210H  Religion in the United States

CRN: 17585  Section 001  LEC  TR 1000 - 1150  4 UHC Credit(s)

Instructor(s): Amy Koehlinger

A thematic overview of the historical study of religion in the United States, with an eye toward ways that social and cultural contexts have shaped the religious experience of Americans in different places and times. Surveys a wide array of religious movements, groups, and individuals from the colonial period to present. Crosslisted with PHL 210H & REL 210H. Satisfies: Bacc Core - Difference, Power, and Discrimination

HST 299H  The History Games

CRN: 21431  Section 001  LEC  F 1400 - 1550  2 UHC Credit(s)

Instructor(s): Marisa Chappell & Amy Koehlinger

Crosslisted with HC 299. See HC 299 course description. Graded: P/N  Satisfies: UHC Colloquia
ME 332H  Heat Transfer

CRN: 20356  Section 001  LEC  MW 800 - 950  4 UHC Credit(s)

Instructor(s): Deborah Pence

A treatment of conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. PREREQ: ((MTH 256/256H & ENGR 212/212H) AND (ME 311/311H or NE 311/311H) AND (ME 331/331H OR NE 331/331H)). Must be enrolled in Pro-School. Major/Minor Restrictions: Mechanical Engineering, Industrial Engineering, or Nuclear Engineering.  Satisfies: UHC Elective

ME 382H  Introduction to Design

CRN: 16866  Section 001  LEC  MWF 1200 - 1250

CRN: 16867  Section 010  LAB  F 1000 - 1150  1 UHC Credit(s)

Instructor(s): Bob Paasch

Organization, planning, economics, and the use of creativity and optimization in solving mechanical design problems. Case studies and/or industrial design problems. This Honors section will include short seminars and discussions on contemporary research on topics in design methodology and marine renewable energy. Lecture common with non-honors. Lecture and lab total 4 OSU credits. PREREQ: ENGR 248 and COREQ: ME 250. Must be enrolled in Pro-School. Major/Minor Restrictions: Manufacturing Engineering, Mechanical Engineering, Industrial Engineering, Nuclear Engineering.  Satisfies: UHC Elective

ME 430H  Systems Dynamics and Controls

CRN: 17775  Section 001  LEC  MW 1200 - 1350  4 UHC Credit(s)

Instructor(s): Geoffrey Hollinger

Modeling and analysis of linear continuous systems in time and frequency domains. Fundamentals of single-input-single output control system design. PREREQS: (ME 317/317H or (ECE 351 and ECE 352)) AND ENGR 212/212H. Major/Minor RESTRICTIONS: Electrical and Computer Engineering, Mechanical Engineering, Nuclear Engineering, Electrical and Electronics Engineering. Must be enrolled in Pro-School.  Satisfies: UHC Elective

MTH 251H  Differential Calculus

CRN: 13069  Section 001  LEC  MWF 800 - 920  4 UHC Credit(s)  Mary Beisiegel

CRN: 19452  Section 002  LEC  MWF 1000 - 1120  Thomas Dick

Instructor(s): Mary Beisiegel & Thomas Dick

This is the first term of the calculus sequence for scientists, engineers, and others, including mathematics majors. The first two terms of the sequence, MTH 251 and MTH 252, focus on real-valued functions of a single real variable, including polynomial, rational, algebraic, trigonometric, exponential, and logarithmic functions. Differential calculus involves the study of rate of change in all its forms, including velocity, acceleration, population growth and other natural and physical phenomena. Differential calculus features the derivative, techniques of differentiation, and applications of the derivative, including optimization problems, the geometry of curves, and analysis of motion. This course emphasizes geometric reasoning not just computation. PREREQ: MTH 112. Sufficient test scores may waive MTH 112 prereq. **Course Fee $10.00** Satisfies: Bacc Core - Mathematics
**MTH 252H  Integral Calculus**

CRN: 18908  Section 002  LEC  MWF 1000 - 1120  4 UHC Credit(s)

Instructor(s): Robert Higdon
Definite integrals, elementary applications to area, force, and work. Integral tables and basic techniques of integration, calculus of logarithmic and exponential functions, polar coordinates, applications to areas, volumes, force, work, and growth and decay problems. PREREQ: MTH 251/251H. **Course Fee $10.00 Satisfies: UHC Elective**

**MTH 254H  Vector Calculus I**

CRN: 13070  Section 001  LEC  MWF 1400 - 1520  4 UHC Credit(s)

CRN: 15829  Section 002  LEC  MF 900-950 & W 800-950  Juan Restrepo & Tevian Dray

Vectors and geometry: coordinate systems, scalar product. Real-Valued Functions of Several Variables: partial and directional derivatives, gradient, extreme values. Multiple Integrals: change of coordinates, applications. Vector valued-functions: arc length and curvature of space curves, normal and tangential components of acceleration. PREREQ: MTH 252/252H **Course Fee $10.00 Satisfies: UHC Elective**

**MUS 102H  Music Appreciation II: Periods and Genres - Reggae: A History of Jamaican Music**

CRN: 16051  Section 001  LEC  TR 1000 - 1120  3 UHC Credit(s)

Instructor(s): Ryan Biesack
This survey traces the roots of Jamaican music, which has become known as Reggae, from just prior to Jamaica’s Independence from Great Britain in 1962 starting with the American R & B influenced Ska, through Rock Steady, Dub, Roots Rock, Reggae, DJs, Toasting, and through the early turn of the millennium. We will look at key musicians, producers and performers, as well as examine key social and political events that helped shape this great music. When possible, guest speakers, video clips, audio clips and other media will be used to tell the story of this rapidly changing, wide reaching music. Also, an optional field trip to a reggae concert will enhance the study of this music, and give the students an accurate modern day perspective and idea of reggae today. **Satisfies: Bacc Core - Literature and the Arts**

**NE 332H  Heat Transfer**

CRN: 20549  Section 001  LEC  MW 800 - 950  4 UHC Credit(s)

Instructor(s): Deborah Pence
A treatment of conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. PREREQ: ((MTH 256/256H & ENGR 212/212H) AND (ME 311/311H or NE 311/311H) AND (ME 331/331H OR NE 331/331H)). Must be enrolled in Pro-School. Major/Minor Restrictions: Mechanical Engineering, Industrial Engineering, or Nuclear Engineering. **Satisfies: UHC Elective**
OC 407H     Astrobiology

CRN: 16246   Section 001   SEM       TR 1300 - 1350               2 UHC Credit(s)

Instructor(s): Martin Fisk & Frederick Colwell

The question of whether life exists elsewhere in the universe is a verifiable scientific hypothesis. "Astrobiology" is an interdisciplinary course that combines aspects of astronomy, physics, chemistry, geology, and biology that are relevant to the origin and evolution of life and its possible distribution in the universe. Students will use the basic scientific principles of these five fields of science to explore the limits of life in the cosmos. Classroom activities or projects will be used to demonstrate the principles. Altogether the out-of-class assignments and preparation for the next class will take from 1 to 3 hours of out-of-class effort. Optional field trip to observe stars and planets. Optional field trip to demonstrate microbial methane production. PREREQ: One college level chemistry course. Satisfies: UHC Colloquia

PH 221H     Recitation for Physics 211

CRN: 14493   Section 001   REC       T 1100 - 1150               1 UHC Credit(s)

Instructor(s): T. Giebultowicz

Honors recitation reserved for UHC students enrolled in lecture/lab sections of PH 211. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Satisfies: Bacc Core - Physical Sciences

PH 222H     Recitation for Physics 212

CRN: 13071   Section 001   REC       R 1100 - 1150               1 UHC Credit(s)

Instructor(s): David McIntyre

Honors recitation reserved for UHC students enrolled in lecture/lab section of PH 212. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Satisfies: Bacc Core - Physical Sciences
PH 407H  Wart Hogs and Boa Constrictors: Topics in Science and Religion

CRN: 15534  Section 001  SEM  TR 1400 - 1450  2 UHC Credit(s)

Instructor(s): Albert Stetz

The course studies various ways that modern science has an impact on religion. We will look at some conflict issues such as Biblical creationism and the "new atheism," then review some more positive developments such as anthropic arguments regarding the fine tuning of the universe and the appearance of direction and purpose in evolution. Modern science, particularly physics, cosmology, and biology have been used both as arguments for and refutations of western religion. For example, most of the recent winners of the 1.5 million dollar Templeton Award (given for, "exceptional contribution to affirming life's spiritual dimension") have been well-known physicists. On the other hand, the recent bestsellers, Richard Dawkins's *The God Delusion*, Sam Harris’s *The End of Faith*, and Christopher Hitchens’s *God Is Not Great*, claim that modern evolutionary theory and genetics definitely refute the claims of religion in general and Christianity in particular. Since all these competing claims are based on good science they should be amenable to rational discussion. We can ask, for example, if modern cosmology can justify the belief in creation ex nihilo, whether quantum indeterminacy leaves room for free will, whether physical laws are consistent with the notion of divine intervention, and whether the intelligent design hypothesis makes sense in the light of modern genetics. These questions should be approached with an accurate understanding of the science involved and discussed in an atmosphere of mutual respect and tolerance. The course is divided roughly into three sections. The first third will deal with the history of the interaction of science and religion. As it turns out this begins with Aristotle and runs up to recent controversies about evolution. The second third will deal with two current conflict issues, the intelligent design hypothesis and the "new atheist" movement. Finally, we will look at various ways that modern science, particularly physics, might have a positive impact on traditional Christianity. Satisfies: UHC Colloquia

PHL 210H  Religion in the United States

CRN: 17586  Section 001  LEC  TR 1000 - 1150  4 UHC Credit(s)

Instructor(s): Amy Koehlinger

Crosslisted with HST 210H & REL 210H. See HST 210H course description. Satisfies: Bacc Core - Difference, Power, and Discrimination

PHL 443H  World Views and Environmental Values

CRN: 20214  Section 001  LEC  TR 1200 - 1320  3 UHC Credit(s)

Instructor(s): Rob Figueroa

Human societies are characterized by a specific relation to nature. The way in which this relation is understood and implemented in narrative, policies, norms, and habits, reveals the way in which a society understands itself, how it is constituted and on which basic shared values it rests. In this class we will explore and compare different models of the relation to nature and discuss the different forms of environmentalism that stem from them. We will examine leading ideas such as 'Sustainable Development,' the 'Green Economy,' and the debate revolving around the 'economic valuation of ecosystem services' and the Millennium Ecosystem Assessment. We will also engage with the model of an 'Ecological Civilization' that has turned into a main political goal in China, encounter the vision of Radical Ecological Democracy developed by Indian environmental activists, and dedicate some time to study the concept of 'Buen Vivir' (Living Well) that indigenous people from Latin America have proposed as an alternative to the Western model of development. In this class we will meet with different forms of texts: scholarly works in the fields of philosophy, ecology, and political theory; activists' and political documents; policy advice, narrative, and hypertexts. Basic reading material will be provided by the instructor at the beginning of class. Students are encouraged and expected to actively research additional material and to present it in class during the poster presentation sessions. Consistent attendance, a close reading of all the basic texts, and an active participation during class discussion are necessary requirements. Satisfies: Bacc Core - Contemporary Global Issues
PHL 444H  Biomedical Ethics
CRN: 16868  Section 001  LEC  MW 1000 - 1150  4 UHC Credit(s)

Instructor(s): Courtney Campbell
Application of ethical principles and decision-making processes to selected problems in medicine, health care, and biotechnology. Special attention given to end-of-life choices, reproductive rights and technologies, organ transplantation, research ethics, genetic engineering, and allocating scarce resources. An interdisciplinary focus that draws on social, legal, economic, and scientific issues in ethical decision in medicine.  

Satisfies: Bacc Core - Science, Technology and Society

REL 210H  Religion in the United States
CRN: 20575  Section 001  LEC  TR 1000 - 1150  4 UHC Credit(s)

Instructor(s): Amy Koehlinger
Crosslisted with HST 210H & PHL 210H. See HST 210H course description.  
Satisfies: Bacc Core - Difference, Power, and Discrimination

WGSS 223H  Women: Self and Society
CRN: 20216  Section 001  LEC  TR 1200 - 1320  3 UHC Credit(s)

Instructor(s): Kryn Freehling-Burton
Multidisciplinary introduction to women, gender, and sexuality studies. Focuses on the lives and status of women in society and explores ways institutions such as family, work, media, law and religion affect different groups of women. Explores issues of gender, race, class, age, sexual orientation, size and ability.  

Satisfies: Bacc Core – Difference, Power, and Discrimination or Social Processes and Institutions

WGSS 235H  Women in World Cinema
CRN: 20217  Section 001  LEC  M 1600 - 1850  3 UHC Credit(s)

Instructor(s): Mehra Shirazi
In this discussion-oriented interdisciplinary course, we will examine representations of women and gender through screening films from various genres within a global context. In particular, we will explore films produced by women and/or about women’s lives and experiences in order to analyze constructions and practices of gender in a transnational, multireligious, global framework. By examining the context of various films created within particular historical and cultural contexts, we will develop and expand our understanding of the cultural productions, meanings, and intersections of race, gender, culture, class, sexual identity, and nation.  

Satisfies: Bacc Core - Cultural Diversity