

**ALS 199H U-ENGAGE, Explore, Evolve with the HC**

CRN: 17113 Section 001 LEC R 1700 - 1850 2 HC Credit(s)

Instructor(s): LeeAnn Baker

In this course you will be challenged to ENGAGE, EXPLORE, 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 HC Thesis, laying the ground work for a successful thesis experience. The course is team taught by faculty and peer leaders. Satisfies TheSIS stages START and LEARN. Students must be in their first year, first term at OSU.

**Graded: P/N. Satisfies: HC Elective or Thesis****ANS 121H Introduction to Animal Sciences**

CRN: 16209 Section 001 LEC MWF 1000 - 1050 4 HC Credit(s)

AND

CRN: 16210 Section 010 LAB T 1200 – 1350

Instructor(s): Matthew Kennedy &amp; Dawn Sherwood

Principles of breeding, physiology, nutrition, and management as they apply to modern livestock and poultry production. **Course Fee: \$55.00 Satisfies: Bacc Core - Biological Sciences**

**ANTH 318H Peoples of the World: China**

CRN: 20267 Section 001 LEC MWF 1300-1350 3 HC Credit(s)

Instructor(s): Bryan Tilt

Survey of peoples around the world. Early settlement, cultural history, ecological adaptations, population, family and gender roles, religious ideology, political and economic systems, modern social changes, and contemporary issues pertaining to indigenous peoples in culturally distinct regions of the world. Emphasis is placed on dispelling stereotypic images, both past and present. **Satisfies: Bacc Core - Cultural Diversity**

**BA 160H B-Engaged**

CRN: 20701 Section 001 REC F 0900 - 0950 2 HC Credit(s)

AND

CRN: 20702 Section 010 LEC MW 1200 - 1250

OR

CRN: 20704 Section 030 LEC TR 1300 - 1350

Instructor(s): Staff

Understand and accomplish college-level academic work and explore OSU resources and options that will enhance your college experience and success. Opportunity to connect with faculty and peers with common interests in a supportive learning environment. 2 HC credits are earned toward HC requirements. Lecture and recitation total 3 OSU credits.

Restrictions: Must be first year students majoring in Pre-Business. **Satisfies: HC Elective**

**BB/BI 314H Cell and Molecular Biology**

CRN: 19120	Section 001	LEC	TR 1400 - 1520	1 HC Credit(s)
AND				
CRN: 19121	Section 010	REC	R 1000 – 1050	

**Optional BI 405H**

CRN: 19123	Section 001	RES	R 1000 - 1050	1 HC Credit(s)
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Instructor(s): Indira Rajagopal

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 HC students. Students who elect to participate are eligible to register for an extra reading and conference credit for this course. Lecture and recitation total 5 OSU credits. One additional HC credit will be available for students who register for BI 405H. Recent discoveries in Cell and Molecular biology will be emphasized. PREREQS: BI 211/211H and BI 212/212H and BI 213/213H and (CH 331 or CH 334). CH 331 or CH334 may be taken simultaneously to this course. Crosslisted with BI 314H. **Satisfies: HC Elective**

**BI 211H Principles of Biology**

CRN: 16942	Section 001	LEC	MWF 1300 - 1350 & GRP MID	4 HC Credit(s) N. Kirk
AND				
CRN: 13519	Section 010	LAB	M 1400 - 1650	I. Rajagopal
OR				
CRN: 14576	Section 011	LAB	R 800 – 1050	N. Kirk

Instructor(s): Nathan Kirk & Indira Rajagopal

Origins of life, energy transformations, plant and animal diversity. 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/BB 314H Cell and Molecular Biology**

CRN: 19115	Section 001	LEC	TR 1400 - 1520	1 HC Credit(s)
AND				
CRN: 19116	Section 010	REC	R 1000 - 1050	

**Optional BI 405H**

CRN: 19123	Section 001	RES	R 1000 - 1050	1 HC Credit(s)
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Instructor(s): Indira Rajagopal

Crosslisted with BB 314H. See BB 314H for course information. **Satisfies: HC Elective**

**CBEE 101H CHE, BIOE and ENVE Orientation**

CRN: 15251 AND	Section 001	LEC	M 1800 - 1850	2 HC Credit(s)
CRN: 15252 AND	Section 010	REC	F 1500 - 1650	
CRN: 15253	Section 012	LAB	W 1500 - 1650	

Instructor(s): Skip Rochefort

Introduction to the Chemical, Biological, and Environmental Engineering profession 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 HC students enrolled in the lecture section of CBEE 101H. Lecture, Rec and Lab, total 3 OSU credits. **Satisfies: HC Elective**

**CBEE 211H Material Balances and Stoichiometry**

CRN: 17843 AND	Section 001	LEC	MF 1200 - 1250	1 HC Credit(s)
CRN: 17844 AND	Section 010	REC	W 1200 – 1250	
CRN: 17845	Section 011	STD	W 1400 – 1450	

Instructor(s): Philip Harding

Material balances, thermophysical, and thermochemical calculations. Lecture common with non-honors. Students must enroll in CBEE 211H lecture, recitation, and studio. 3 total OSU credits for lecture, recitation, and studio. PREREQ: MTH 252/252H. **Satisfies: HC Elective**

**CH 231H Honors General Chemistry****CHOOSE LECTURE AND ONE OF THE CORRESPONDING RECITATION SECTIONS**

CRN: 19157 AND	Section 001	LEC	MWF 1200 - 1250	4 HC Credit(s) V. Remcho
CRN: 19159 OR	Section 010	REC	T 1100 – 1150	K. Ramzy
CRN: 19160	Section 011	REC	R 1400 – 1450	K. Ramzy

**CHOOSE ONE OF THE LABORATORY SECTIONS****CH 261H**

CRN: 16206 OR	Section 010	LAB	T 1200 - 1450	1 HC Credit(s) M. Burand
CRN: 16207	Section 011	LAB	R 1500 – 1750	M. Burand

Instructor(s): Vincent Remcho, Michael Burand, and Kelly Ramzy

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 must be taken simultaneously with CH 261H OR CH 271. **Course Fee: \$30.00 Satisfies: Bacc Core - Physical Sciences**

**CH 361H Experimental Chemistry I**

CRN: 12887 Section 001 LEC T 1200 - 1250 3 HC Credit(s)  
AND

CRN: 12888 Section 011 LAB T 1300 - 1550 & R 1200 - 1550

OR

CRN: 12889 Section 002 LEC W 1200 - 1250 3 HC Credit(s)  
AND

CRN: 12890 Section 021 LAB W 1300 - 1550 & F 1200-1550

Instructor(s): Kevin Gable

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 (MTH 251/251H and (PH 201 or PH 211) and CH 334). MTH 251/251H, PH 201, PH 211, and CH 334 can be taken concurrently. Only Chemistry, Biochemistry and Biophysics majors/minors/options may enroll. Contact the Chemistry department for registration. **Course Fee \$44.00 Non-Refundable. Satisfies: HC Elective**

**CH 461H Experimental Chemistry II**

CRN: 13246 Section 001 LEC T 1200 - 1250 3 HC Credit(s)  
AND

CRN: 13275 Section 010 LAB T 1300 - 1550 & R 1200 - 1550

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. **Course Fee \$44.00 Non-Refundable. Satisfies: HC Elective**

**CH 464H Experimental Chemistry II**

CRN: 12891 Section 001 LEC M 1300 - 1350 3 HC Credit(s)  
AND

CRN: 13247 Section 011 LAB MW 1400 - 1650 & W 1300 - 1650

Instructor(s): Chong Fang

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). Contact the Chemistry department for registration. **Course Fee \$44.00 Non-Refundable. Satisfies: HC Elective**

**CHE 331H      Transport Phenomena I**

CRN: 17862    Section 001    LEC                    MWF 1100 - 1150                    1 HC Credit(s)  
                  AND  
CRN: 17863    Section 010    REC                    MF 1300 - 1350

Instructor(s): Goran Jovanovic

Fundamentals and application of momentum and energy transfer phenomena to fluid flow for the design of industrial chemical engineering equipment. Lecture common with non-honors. 1 HC credit is earned toward HC requirements. Lecture and recitation total 4 OSU credits. PREREQS: MTH 256/256H and CBEE 212/212H. CBEE 212/212H can be taken concurrently. Must be in Pro-School to enroll in this course. **Satisfies: HC Elective**

**CS 160H      Computer Science Orientation**

CRN: 20727    Section 001    LEC                    MW 1200 - 1250                    3 HC Credit(s)  
                  AND  
CRN: 20728    Section 010    LAB                    F 1200 - 1350

Instructor(s): Jennifer Parham-Mocella

Introduction to the computer science field and profession. Team problem solving. Introduction to writing computer programs. **Satisfies: HC Elective**

**ENG 213H      Literature of the World: Middle East**

CRN: 16751    Section 001    LEC                    TR 1600 - 1720                    4 HC 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 surrealist, 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**

**ENG 375H      Children's Literature**

CRN: 20202    Section 001    LEC                    TR 1400 - 1520                    4 HC Credit(s)

Instructor(s): Megan Ward

The late nineteenth and early twentieth centuries are usually referred to as a "golden age" of children's literature, meaning that, for the first time, there was a specific body of literature, written and published exclusively for children. Some people, though, think that we are in a second "golden age" of children's literature, when even adults are turning to children's or young adult (YA) literature to tackle complex contemporary issues such as race, religion, nationalism, and gender. This term, we'll read poetry, fiction, graphic narratives, memoirs, and periodicals from both "golden ages" in order to examine the kinds of narratives that constitute children's literature, the changing notion of the child, and how children's literature represents modern questions. **Satisfies: HC Elective**

**ENGR 211H Statics**

CRN: 16265 Section 001 LEC MW 1300 - 1350 3 HC Credit(s)  
AND  
CRN: 17730 Section 010 REC F 800 – 950

Instructor(s): Judy Liu

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

**ENGR 407H Experiencing Engineering Research**

CRN: 16904 Section 001 SEM F 1000 - 1150 2 HC Credit(s)

Instructor(s): Eduardo Cotilla-Sanchez

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: HC Colloquia**

**FIN 340H Finance**

CRN: 15494 Section 001 LEC MW 0800 - 0950 4 HC Credit(s)

Instructor(s): Sean Yang

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. PREREQS: (BA 213 or BA 215/215H) and (ECON 201/201H).

**Satisfies: HC Elective**

**FR 429H French Society Through Cinema**

CRN: 20277 Section 001 LEC T 1600 - 1850 3 HC Credit(s)

Instructor(s): Nabil Boudraa

An examination of French society through its own cinema. Via the screening and study of films from the various periods of French history, students will delve into the heart of French society and will discover the socio-historical, political, economic and cultural context. We will also discuss the significance and impact of French cinema on the development of American cinema. Students' analytical and critical skills will be thoroughly solicited. **The course is taught in English. Satisfies: Bacc Core - Western Culture**

**GER 231H German Dictatorships: Nazis and Communists**

CRN: 20293 Section 001 LEC W 1400 -1450 &amp; F 1400 - 1550 3 HC Credit(s)

Instructor(s): Sebastian Heiduschke

Students will engage with primary printed and visual texts from the two German dictatorships of the 20th century to explore life under the Nazi regime from 1933-1945 and the Communists from 1945-1990. We will use the classroom as exploratory space to engage critically with products created by the oppressors as well as the oppressed. This course requires the willingness to read and to take innovative and creative approaches to engaging with our texts. **Satisfies: Bacc Core - Western Culture**

**HC 199 Honors Writing**

CRN: 11463 Section 001 LEC MWF 900 - 950 3 HC Credit(s)

OR

CRN: 11464 Section 002 LEC TR 800 - 920

OR

CRN: 15302 Section 003 LEC TR 1000 - 1120

Instructor(s): Eric Hill

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.

**Satisfies: Bacc Core - Writing II****HC 299 Building Homes & Hope: International Service Learning**

CRN: 16752 Section 001 SEM T 1600 - 1650 1 HC 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 effects of sub-standard housing in the destination country/community of our Summer Service Trip & Field Study. 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: HC Colloquia**

**HC 299 Farside Entomology**

CRN: 16361 Section 002 SEM M 1800 - 1950 2 HC 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 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: HC Colloquia**

**HC 299 Oregon Outback Tour**

CRN: 14845 Section 003 SEM Trip Dates 9/18/16 – 9/20/16 2 HC Credit(s)

**TRIP RUNS BEFORE THE START OF FALL TERM**

Instructor(s): John Buckhouse

The 2016 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). The trip will run 9/18/16-9/20/16. Individuals need to provide his/her own sleeping bag, a small tent, clothing, footwear, hats, coats, gloves and personal items. **First year, first term students are not eligible to take this class. Graded: P/N. Course Fee: \$71.00 Satisfies: HC Colloquia**

**HC 299/HST 299H The History Games**

CRN: 18658 Section 007 LEC MW 1200 - 1250 2 HC Credit(s)

Instructor(s): Amy Koehlinger and Marisa Chappell

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. **Crosslisted with HST 299H. Graded: P/N. Satisfies: HC Colloquia**

**HC 407 Race and Science**

CRN: 17731 Section 001 SEM R 1000 - 1150 2 HC 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: HC Colloquia**



**HC 407 Toy-Based Technology for Children with Disabilities**

CRN: 20112 Section 002 SEM T 1400 - 1550 2 HC Credit(s)

Instructor(s): Sam Logan

This is a 'hands-on' and 'brains-on' course where students will gain skills and knowledge through real-world experience and the reading and discussion of current scientific research related to core course topics. This experience will be driven through engagement with the Go Baby Go (GBG) program (<http://health.oregonstate.edu/gobabygo>). GBG is a community-based outreach program that works with families, clinicians and industry to provide modified ride-on toy cars to children with disabilities to use for fun, function, and exploration. Students will gain the necessary technical skills such as cutting PVC pipe and basic wiring. Students will work directly with families to customize ride-on car modifications to meet the individual needs of children with disabilities. The technical skills and scientific research will be open and accessible to all students, regardless of previous background or experience. **Satisfies: HC Colloquia**

**HC 407 Leadership and Positive Psychology**

CRN: 16753 Section 003 SEM W 1000 - 1150 2 HC Credit(s)

OR

CRN: 21018 Section 020 SEM F 1000 - 1150

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: HC Colloquia**

**HC 407 God, Pain, and the Problem of Evil: An Introduction to C.S. Lewis**

CRN: 16315 Section 004 SEM M 1600 - 1750 2 HC 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: HC Colloquia**

**HC 407 Mapping Activism and Power in Portland and Beyond**

CRN: 20072 Section 005 SEM T 1600 - 1750 2 HC Credit(s)

**Course consists of two class meetings and two required field trips**

Instructor(s): Natchee Barnd and Juan Herrera

This colloquium brings together students, community activists, and professors to participate in the production of an interactive mapping of activism and social movement mobilizations in Portland and across Oregon. Students will visit multiple sites where social movement struggles have taken shape, where communities have contested social injustices, environmental racism, and have organized to preserve native lands and rights. Students will conduct field visits, meet with local activists, and generate photo-journalistic accounts to be considered for inclusion in a published book by OSU professors. Course consists of two class meetings and two required field trips. **Class sessions are Tuesday 10/4/16 & Tuesday 11/1/16 and the two required day long field trips are 10/8/16 (Portland area) and 10/22/16 (Woodburn/Mt. Angel).** Meals and snacks will be provided. **Graded: P/N. Satisfies: HC Colloquia**



**HC 407 History of Aviation**

CRN: 16756 Section 009 SEM M 1800 - 1950 2 HC 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 Brother 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 on to 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: HC Colloquia**

**HC 407 Translations**

CRN: 16905 Section 010 SEM TR 1300 - 1350 2 HC Credit(s)

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, and more. Students will look at how we use and think (or sometimes how we don't think) about translating various forms of communication. We will begin with some fundamental concepts that will include etymology, grammar, dialect versus language, 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 and writings about translation. They will write about and present examples of how language works in a variety of contexts. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407 Because It's There (and Looks Fun): Survival as Entertainment**

CRN: 20074 Section 011 SEM R 1600 - 1750 2 HC Credit(s)

Instructor(s): Robert Drummond

In March of 2013, a George Fox University student who grew up in Grants Pass set out alone to climb Mt. Hood, got lost in a whiteout, and fell 40 feet into a canyon. Badly injured and with only a meager supply of snack food, she survived for almost a week in a snow cave. What combination of mental and physical factors enabled her to endure when others would have perished in her place, and how much did luck have to do with it? Humans crave adventure, pushing our bodies and wills to the limits, testing ourselves against forces much larger than ourselves. Confronting such forces often brings us to the brink of destruction. When things inevitably go wrong, who lives and who dies? Why? In this course we will consider these questions as we examine accounts of survival, of extreme fights with nature. What is it about modern American life that compels some people to seek out danger and a very real and ready risk of self-annihilation? Why do otherwise rational people take such extraordinary risks when no imperative exists beyond mere entertainment? Surely our forebears—many of whom fought every day just to stay alive in a truly dangerous landscape—would think this behavior absurd and irresponsible, as would any number of people around the world who don't live in such a relatively safe environment. Who would so needlessly risk life in a time and place where staying alive is so easy? **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      The Illness Story**

CRN: 20075      Section 012      SEM      W 1200 - 1250      1 HC Credit(s)

Instructor(s): Anita Helle

This colloquium introduces students to interdisciplinary study in listening and telling stories about the medical experience from the point of view of patients, caregivers, doctors, family members, and researchers. Multiple genres are considered, from essays to autobiographies, graphic narrative, and film. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      Drug Use, Misuse and Abuse: A Global Perspective**

CRN: 20076      Section 013      SEM      T 1700 - 1850      2 HC Credit(s)

Instructor(s): Ray Tricker

This course will provide students with opportunities to compare, contrast, analyze and form conclusions about drug use, misuse and abuse from a global perspective. The course will examine the prevalence of drug abuse, laws, penalties, treatment and rehabilitation in selected countries from different areas around the world and compare findings from these countries to those that are followed in the United States. Students will be encouraged to formulate their own personal perceptions and develop their own models of dealing with the challenges inherent in drug use, abuse and misuse. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      Robots and Romance**CRN: 17791      Section 014      SEM      W 1600 - 1850      2 HC Credit(s)  
**Meets Weeks 2-8 (10/5 – 11/17)**

Instructor(s): Gilad Elbom

Our goal in this seminar will be to examine notions of carnal love in science-fiction cinema, paying attention 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 Canvas—and address our movies from multiple perspectives and approaches: social, political, historical, psychological, technological, theological, and so on. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      Bioresource Sciences**

CRN: 18827      Section 015      MF 1600 - 1650      2 HC Credit(s)

Instructor(s): Glen Li

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: HC Colloquia**

**HC 407 Humanizing the Cosmos**

CRN: 20077 Section 016 SEM M 1600 - 1650 1 HC Credit(s)

Instructor(s): Paul Lorenzini

In *Consilience* E. O. Wilson seeks “the consilience of science with the social sciences and humanities in scholarship and teaching. Every college student should be able to answer the following question: What is the relation between science and the humanities, and how is it important for human welfare?” What is the nature of his concern? In this colloquium we will explore the sources of conflict between the sciences and the humanities in both culture and thought over the past three centuries and the ways it has become manifest in our modern American culture. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407 Dawn of the Anthropocene**

CRN: 19124 Section 017 SEM R 1400 - 1450 1 HC 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: HC Colloquia**

**HC 407 Shakespeare via Ashland**

CRN: 20718 Section 018 SEM T 1800-1850 1 HC Credit(s)

**Required Field Trip 10/14/16-1/16/16**

Instructor(s): Eric Hill

The course requires attendance at an organizational meeting (10/11), a three day field trip (10/14/16-1/16/16), and one discussion meeting (10/18). At this meeting you will turn in and discuss your written assignment.

Write either of two options:

1. a short (no longer than five minute) scene based on one of the plays or
2. an analysis based on at least one character from the play.

Travel Details: **Departing Friday, October 14th, at 12:30pm**; arrive in Ashland to check into the hotel and leave to see first play. Saturday will consist of two shows. **Return Departure October 16th, 2016 at 10:00am** (following breakfast).

**Course Fee of \$240.00** includes tickets for three plays, coach travel, and two nights hotel stay with continental breakfast. Bring money for snacks and meals, besides breakfast (which will be provided). Since all arrangements have been prepaid the **course fee is non-refundable if the course is not dropped prior to the 1<sup>st</sup> day of the term**. All students are required to travel and stay as a group. Please note that this class can only be taken twice for credit. **Graded: P/N. \$240 Non-Refundable course fee. Satisfies: HC Colloquia**



**HC 409 PRAC/Civic Engagement**

CRN: 16951 Section 005 PRAC TBD

1 HC 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. Participating honors students commit to serving on average 2-3 hours per week within their project site, keep track of their service hours, and complete a 2 page reflection paper due at the end of the term. Additional information, including placement opportunities, is available at:

<http://oregonstate.edu/cce/ongoing>. Students must meet with a HC advisor to complete a Learning Agreement and a CCE staff member to discuss placement opportunities. Placement must take place prior to the start of the term. **Graded: P/N.**

**Satisfies: HC Elective****HC 409 PRAC/Conversants**

CRN: 11755 Section 007 PRAC TBD

1 HC 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, keep a log of the times and places they met and the topics discussed, and complete a 2 page reflections 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 HC advisor to complete a Learning Agreement. Applications must be submitted online no later than the end of

week 1. **Graded: P/N. Satisfies: HC Elective**

**HC 409 HC Peer Mentor Program**

CRN: 20078 Section 009 PRAC W 1600-1650

1 HC Credit(s)

OR

CRN: 20341 Section 010 PRAC R 1200-1250

Instructor(s): LeeAnn Baker

This course is for participating mentors in the Honors College Peer Mentoring Program. This course will explore a number of topics that are pertinent to a peer mentor's role including: peer mentoring theory, challenges faced by first-year and transfer students, the impact of peer mentoring on minoritized student populations, effective communication, cultural competency, etc. The goal of the course is to allow students to learn effective peer mentoring strategies through practical application of theory and self-reflection. **Graded: P/N. Satisfies: HC Elective**

**HST 299H/HC 299 The History Games**

CRN: 19461 Section 1 LEC MW 1200 - 1250

2 HC Credit(s)

Instructor(s): Amy Koehlinger and Marisa Chappell

Crosslisted with HC 299. See HC 299 for course details. **Graded: P/N. Satisfies: HC Colloquia**

**HST 382H History of Africa**

CRN: 20079 Section 001 LEC MW 1400 - 1550 4 HC Credit(s)

Instructor(s): Trina Hogg

History of Africa from earliest times to present, including origins of human society, slave trade, European imperialism and African nationalism. Covers Nineteenth and Twentieth century Africa. **Satisfies: Bacc Core - Cultural Diversity**

**HST 499H Food in the History of the Americas**

CRN: 20279 Section 001 SEM TR 1200 - 1350 4 HC Credit(s)

Instructor(s): Cari Maes and Nick Foreman

By virtue of its nutrients alone, food is the basic prerequisite for any human action or development. But the meaning of food also extends beyond the physical needs of the body into the symbolic and ethereal realms of culture. Beginning with pre-Colombian food practices like the development of corn in Mesoamerica and ending in the twenty first century with issues of dietary inequality and the global food system, this course will explore the material and imagined roles of food in the history of our hemisphere. Through readings on the production, consumption, and perceptions of the things we eat and drink, we will address issues related to race, class, gender, and culture, and find the meaning behind the meal. The course also utilizes two 'laboratories': the local food system and OSU's SCARC (Special Collections and Archives). Using these two learning environments students will engage with and practice food history methodologies such as primary source analysis and oral history data collection. **Satisfies: HC Elective**

**ME/NSE 311H Introduction to Thermal-Fluid Sciences**

CRN: 20081 Section 001 LEC TR 1200 - 1350 4 HC Credit(s)

Instructor(s): Deborah Pence

Basic concepts of fluid mechanics, thermodynamics and heat transfer are introduced. Conservation of mass, energy, moment and the second law of thermodynamics are included. PREREQS: ENGR 212/212H and MTH 256/256H. Crosslisted with NSE 311H. **Satisfies: HC Elective**

**ME 382H Introduction to Design**

CRN: 16211 Section 001 LEC MWF 1200 - 1250 1 HC Credit(s)

AND

CRN: 16212 Section 010 LAB F 1000 - 1150

Instructor(s): Bryony DuPont

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. 1 HC credit is earned toward HC requirements. Lecture and lab total 4 OSU credits. PREREQS: ENGR 248 and ME 250 and ME 316. ME 250 may be taken concurrently. Must be enrolled in Pro-School. Major/Minor RESTRICTIONS: Engineering Physics, Manufacturing Engineering, Mechanical Engineering, Industrial Engineering, and Nuclear Engineering. **Satisfies: HC Elective**



**ME 430H      Systems Dynamics and Controls**

CRN: 16907	Section 001	LEC	MW 1200 - 1350	4 HC Credit(s)
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Instructor(s): Geoff 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 in Pro-School. **Satisfies: HC Elective**

**MIME 101H      Introduction to MIME**

CRN: 20714	Section 001	LEC	MW 1400-1450	3 HC Credit(s)
AND				

CRN: 20715	Section 010	REC	F 1200 - 1350	
OR				

CRN: 20716	Section 011	REC	F 1400 - 1550
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Instructor(s): Staff

Provides students with an overview of mechanical, industrial, manufacturing, and energy systems engineering careers and an introduction to technical areas of study. Skills necessary for success in both the academic curriculum and in the engineering profession will also be emphasized, including communication and ethics. **Satisfies: HC Elective**

**MTH 251H      Differential Calculus**

CRN: 12892	Section 001	LEC	MW 0800 - 0850 & F 0800 - 0950	4 HC Credit(s)
OR				
CRN: 18097	Section 002	LEC	MWF 1000 - 1120	Adel Faridani
OR				

CRN: 20844	Section 003	LEC	MWF 0830 - 0950	Staff
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CRN: 20844	Section 003	LEC	MWF 0830 - 0950	Staff
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Instructor(s): Adel Faridani and Staff

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: 17732	Section 002	LEC	MWF 1000 - 1120	4 HC Credit(s)
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Instructor(s): David Finch

The integral is the second big idea in calculus. In the same way that the derivative measures rate of change, the integral measures net change. Applications in physics, engineering and geometry are numerous. PREREQ: MTH 251/251H  
**Course Fee: \$10.00 Satisfies: HC Elective**

<b>MTH 254H</b>	<b>Vector Calculus I</b>			4 HC Credit(s)
CRN: 12893	Section 001	LEC	MWF 1400 - 1520	Tevian Dray
	OR			
CRN: 15313	Section 002	LEC	MF 0900-0950 & W 0900-1050	Nathan Gibson

Instructor(s): Tevian Dray and Nathan Gibson

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: HC Elective**

<b>MUS 102H</b>	<b>Music Appreciation II: Periods and Genres - Reggae: A History of Jamaican Music</b>			3 HC Credit(s)
CRN: 15495	Section 001	LEC	TR 1000 - 1120	

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**

<b>NSE/ME 311H</b>	<b>Introduction to Thermal-Fluid Sciences</b>			4 HC Credit(s)
CRN: 20272	Section 001	LEC	TR 1200 - 1350	

Instructor(s): Deborah Pence

Crosslisted with ME 311H. See ME 311H for course details. **Satisfies: HC Elective**

<b>OC 407H</b>	<b>Astrobiology</b>			2 HC Credit(s)
CRN: 15656	Section 001	SEM	TR 1300 - 1350	

Instructor(s): Frederick Colwell and Martin Fisk

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 effort per class. **Satisfies: HC Colloquia**

**PH 221H          Recitation for Physics 211**

CRN: 14160      Section 001      REC                      T 1100 - 1150                                      1 HC Credit(s)

Instructor(s): Staff

Honors recitation reserved for HC 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. Lecture, Lab, and Recitation combined, total 5 OSU credits. COREQ: PH 211. **Satisfies: Bacc Core - Physical Sciences**

**PH 222H          Recitation for Physics 212**

CRN: 12894      Section 001      REC                      R 1100 - 1150                                      1 HC Credit(s)

Instructor(s): Staff

Honors recitation reserved for HC 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. Lecture, Lab, and Recitation combined, total 5 OSU credits. COREQ: PH 212. **Satisfies: Bacc Core - Physical Sciences**

**PH 407H          Topics in Science and Religion**

CRN: 15052      Section 001                                      TR 1400 - 1450                                      2 HC Credit(s)

Instructor(s): Albert Stetz

Science and religion often seem in conflict. On one hand are the militant atheists who claim that the truth of evolution disproves all the traditional claims of religion. On the other hand are the "intelligent design" creationists who believe that Darwinism is simply wrong and therefore all the claims of science are suspect. These are recent movements that often seem to have more to do with political and cultural identity than a careful consideration of either science or religion. More interesting are the many ways science provides ambiguous evidence for some key Christian ideas. For example, mitochondrial DNA proves that we are all descended from a single female. The universe came into existence at one point in space and time; at first it was "formless and void." Many of the physical parameters of the universe seem to be fine-tuned to make carbon-based lifeforms possible. These ideas will be studied with the help of lectures and classroom discussion as well as student research and presentations. **Satisfies: HC Colloquia**

**PHL/REL 443H      World Views and Environmental Values**

CRN: 18659      Section 001      LEC                      TR 1200 - 1320                                      3 HC 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**



**WGSS 235H Women in World Cinema**

CRN: 18661 Section 001 LEC W 1600 - 1850 3 HC Credit(s)

Instructor(s): Mehra Shirazi

In this honors level 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 framework. Analyzing the politics of representation will allow us to consider the ways in which women around the world have been imagined, constructed, regulated, and represented in various discourses and media formats. Doing so also allows us to understand how women's lives have been deeply affected by colonialism, globalization, nationalist movements, war and militarism, and other processes. Students will be introduced to concepts in feminist film theory and criticism, and various themes and theoretical principles of transnational feminist organizing, with special emphasis placed on women of the global South. 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**

**WR 121H English Composition**

CRN: 20284 Section 001 LEC TR 830 - 0950 3 HC Credit(s)

Instructor(s): Clare Braun

WR 121 is designed to help students develop skills and confidence in analytical writing. It also emphasizes rhetorical awareness—the perception of where, how, and why persuasion is occurring. This section offers the unique opportunity for collaboration with the Valley Library's Special Collections and Archives Research Center. Students will engage directly with materials from the University's collections in the process of writing a high-quality, researched academic essay. Assignments and in-class activities will emphasize and explore the process of writing, including acts of reading, researching, analytical thinking, freewriting, drafting, review, revision, and editing. This course approaches writing not only as a mode of expression, but also as a mode of inquiry and exploration, challenging students to see writing as an invitation to think and a way to think. **Satisfies: Bacc Core - Writing I**