

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

CRN: 15235 Section 001 LEC T 1700 - 1850 2 HC Credit(s)

Instructor(s): Leanna Dillon

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 1 credit towards Thesis & 1 credit towards Elective. For first-year, first-term students only. **Graded: P/N. Satisfies: HC Elective/Thesis/Research/Projects**

ANS 121H ***Introduction to Animal Sciences***

CRN: 18486 Section 001 LEC TR 0800 - 0920 4 HC Credit(s)

AND

CRN: 18487 Section 010 LAB T 1200 - 1350

Instructor(s): Matthew Kennedy & Dawn Sherwood

Principles of breeding, physiology, nutrition, and management as they apply to modern livestock and poultry production. **Course Fee \$55. Satisfies: HC BaccCore – Biological Sciences**

ANTH 313H ***Peoples of the World - Latin America***

CRN: 18158 Section 001 LEC MWF 1300 - 1350 3 HC Credit(s)

Instructor(s): Shaozeng Zhang

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. Recommended Prereqs: ANTH 110 or ANTH 210 or completion of social processes and institutions requirement. **Satisfies: HC BaccCore – Cultural Diversity**

BA 160H ***B-Engaged***

2 HC Credit(s)

CRN: 17291 Section 019 REC F 0900 – 0950 Sandra Neubaum
& GRP MID***AND CHOOSE ONE LECTURE***

CRN: 17292 Section 010 LEC MW 1200 - 1250 Staff TBA

CRN: 17294 Section 012 LEC MW 1300 - 1350 Staff TBA

CRN: 18211 Section 014 LEC TR 1200 - 1250 Staff TBA

CRN: 19387 Section 016 LEC TR 1300 - 1350 Staff TBA

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. This course is shared with sections for COB Dean's Academy students. The large recitation (section 019) is common with non-honors. **Honors students should register for the recitation (section 019) and choose from lecture sections 010, 012, 014, or 016.** 2 out of the 3 OSU credits earned will count toward Honors College requirements. No-show-drop: students who do not attend the class by the second class meeting will be removed from the course. Restrictions: For pre-business students only. **Satisfies: HC Elective**

BA 211H ***Financial Accounting***

CRN: 17981 Section 001 LEC TR 1200 - 1350 4 HC Credit(s)

Instructor(s): Staff TBA

Accounting information from the perspective of external users, principally investors and creditors. Emphasis on the preparation and interpretation of financial statements, income recognition and determination, and asset valuation. This course is shared with a section for COB Dean's Academy students. **Honors students should register for section 001.** No-show-drop: students who do not attend the class by the second class meeting will be removed from the course. Prereqs: (MTH 111 OR MTH 241 OR MTH 251/251H) OR Placement Test MPT(24) OR Placement Test MPAL(060). Restrictions: Business majors/minors only. Minimum of sophomore standing required. **Satisfies: HC Elective**

BA 281H ***Professional Development***

CRN: 19389 Section 001 LEC MW 1600 - 1720 3 HC Credit(s)

Instructor(s): Angelika Buchanan

Designed to give students an early start on the process of career planning and development. The process involves thoughtful self-assessment, career exploration, planning and follow-through with preliminary employment strategies. This course is shared with a section for COB Dean's Academy students. **Honors students should register for section 001.** No-show-drop: students who do not attend the class by the second class meeting will be removed from the course. Prereqs: (BA 101 and BA 280) or BA 162. Coreq: Must be taken concurrently with BA 282. Restrictions: For pre-business students only. Minimum of sophomore standing required. **Satisfies: HC Elective**

BA 347H ***International Business***

CRN: 19391 Section 001 LEC TR 1200 - 1350 4 HC Credit(s)

Instructor(s): Staff TBA

Integrated view of international business including current patterns of international business, socioeconomic and geopolitical systems within countries as they affect the conduct of business, major theories explaining international business transactions, financial forms and institutions that facilitate international transactions, and the interface between nation states and the firms conducting foreign business activities. This course is shared with a section for COB Dean's Academy students. **Honors students should register for section 001.** No-show-drop: students who do not attend the class by the second class meeting will be removed from the course. Prereqs: ECON 202/202H. Restrictions: Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

BA 375H ***Applied Quantitative Methods***

CRN: 19393 Section 001 LEC MW 1200 - 1350 4 HC Credit(s)

Instructor(s): Andy Olstad

Introduces students to the basics of data science and data analytics for handling of large-scale databases. It provides an overview of the main data-analytic techniques and topics including data visualization, linear and nonlinear regression analysis, time series analysis and forecasting, classification, and clustering methods. This course is shared with a section for COB Dean's Academy students. **Honors students should register for section 001.** No-show-drop: students who do not attend the class by the second class meeting will be removed from the course. Prereqs: BA 275. Restrictions: Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

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

CRN: 19395 Section 001 LEC TR 1400 - 1520

AND

CRN: 19396 Section 010 REC R 1000 - 1050 1 HC Credit(s)

Instructor(s): Indira Rajagopal

Fundamental concepts of prokaryotic and eukaryotic cell biology. Emphasizes cell structure and function at the molecular level. The Honors recitation will focus on recent research. Students will read and discuss recent articles and write research papers on topics of special interest. Recent discoveries in Cell and Molecular biology will be emphasized. Lecture common with non-Honors. Recitation is reserved for HC students. 1 out of the 4 OSU credits earned counts toward Honors College requirements. Students may earn an additional credit by registering for BB 405H Reading and Conference. 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 simultaneously to this course. **Satisfies: HC Elective**

BB 405H ***Reading and Conference for BB 314H***

CRN: 17579 Section 001 RES 1 HC Credit(s)

Instructor(s): Indira Rajagopal

This is an optional, Reading and Conference credit only available to students enrolled in BB 314H. Corequisite: BB 314H. **Satisfies: HC Elective.**

BB 407H ***Scientists in the Public Eye***

CRN: 19588 Section 001 SEM MW 1400 - 1450 2 HC Credit(s)

Instructor(s): Kevin Ahern

This is a course for students who wish to learn about and improve communication skills for use during professional school interviews. These include medical school, pharmacy school, dentistry school, optometry school, nursing school, and law school. Students will also learn to prepare a personal statement relevant to their chosen discipline. **Satisfies: HC Colloquia**

BI 211H ***Principles of Biology*** 4 HC Credit(s)CRN: 15153 Section 001 LEC MWF 1300 - 1350
& GRP MID Nathan Kirk**AND CHOOSE ONE LAB SECTION**

CRN: 12758 Section 010 LAB W 1400 - 1650 Nathan Kirk

CRN: 13544 Section 011 LAB R 800 - 1050 Adam Chouinard

CRN: Section 012 LAB F 1400 - 1650 Adam Chouinard

Origins of life, energy transformations, plant and animal diversity. PREREQS: General Chemistry (may be taken concurrently). RESTRICTIONS: This course is for life science majors and pre-professional students. **Course Fee \$29.**
Satisfies: HC BaccCore – Biological Sciences

BI 445H ***Evolution***

CRN: 20423 Section 001 LEC TR 1400 - 1520 3 HC Credit(s)

Instructor(s): Molly Burke

Formal analysis of genetic and ecological mechanisms producing evolutionary change; special topics include speciation, ecological constraints, adaptive radiations, paleontology, biogeography, the origin of life, molecular evolution, and human evolution. Prereqs: BI 311/311H. **Satisfies: HC Elective**

CBEE 101H	<i>CHE, BIOE and ENVE Orientation</i>			2 HC Credit(s)
CRN: 14022	Section 001	LEC	M 1800 - 1850	
<u>AND</u>				
CRN: 14023	Section 010	REC	F 1500 - 1650	
<u>AND</u>				
CRN: 14024	Section 012	LAB	W 1500 - 1650	
Instructor(s): Staff TBA				

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. 2 of the 3 OSU credits earned count toward Honors College requirements. **Satisfies: HC Elective**

CBEE 211H	<i>Material Balances and Stoichiometry</i>			1 HC Credit(s)
CRN: 15713	Section 001	LEC	MF 1200 - 1250	
<u>AND</u>				
CRN: 15714	Section 010	REC	W 1200 - 1250	
<u>AND</u>				
CRN: 15715	Section 011	STD	W 1400 - 1450	
Instructor(s): Staff TBA				

Material balances, thermophysical, and thermochemical calculations. Lecture and recitation common with non-honors. Studio is reserved for honors students only. Students must enroll in CBEE 211H lecture, recitation, and studio. 1 of the 3 OSU credits earned counts toward Honors College requirements. PREREQS: MTH 252/252H and general chemistry and second-year standing in engineering. **Satisfies: HC Elective**

CH 231H	<i>Honors General Chemistry</i>			4 HC Credit(s)
CRN: 16454	Section 001	LEC	MWF 1200 - 1250	Staff TBA
<u>AND CHOOSE ONE REC SECTION</u>				
CRN: 16456	Section 010	REC	T 1100 - 1150	Staff TBA
CRN: 16457	Section 011	REC	R 1400 - 1450	Staff TBA
<u>AND CHOOSE ONE CH 261H LAB SECTION</u>				

CH 261H	<i>Laboratory for Honors General Chemistry</i>			1 HC Credit(s)
CRN: 14675	Section 010	LAB	T 1200 - 1450	Staff TBA
CRN: 14676	Section 011	LAB	R 1500 - 1750	Staff TBA

This first course in a General Chemistry sequence is 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. \$30 fee for the laboratory section. CH 231H must be taken simultaneously with CH 261H OR CH 271. Must be taken concurrently with CH 231H. Prereqs: MTH 111 OR MTH 112 OR MTH 251/251H OR MTH 252/252H OR MTH 254/254H. COREQ: CH 261H OR CH 271. **Course Fee \$30. Satisfies: HC BaccCore – Physical Sciences**

CH 361H *Experimental Chemistry I* 3 HC Credit(s)

CRN: 12273 Section 001 LEC T 1200 - 1250 Staff TBA

AND

CRN: 12274 Section 011 LAB T 1300-1550 & R 1200-1550 Staff TBA

OR

CRN: 12275 Section 002 LEC W 1200 - 1250 Staff TBA

AND

CRN: 12276 Section 021 LAB W 1300-1550 & F 1200-1550 Staff TBA

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). **Contact the Chemistry department for registration.** Prereqs: (CH 221, CH 222, AND CH 223) OR (CH 224H, CH 225H, AND CH 226H) OR (CH 231/231H, CH 232/232H, CH 233/233H AND (CH 261/261H OR CH 271), (CH 262/262H OR 272), AND (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. RESTRICTIONS: Only Chemistry, Biochemistry and Biophysics majors/minors/options may enroll. **Course Fee \$44 (non-refundable). Satisfies: HC Elective**

CH 461H *Experimental Chemistry II* 3 HC Credit(s)

CRN: 12551 Section 001 LEC T 1200 - 1250 Staff TBA

AND

CRN: 12578 Section 010 LAB T 1300-1550 & R 1200-1550

Instructor(s): Staff TBA

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. **Contact the Chemistry department for registration.** PREREQS: CH 362/362H AND CH 421 AND CH 440. CH 421 and CH 440 can be taken simultaneously to this course. RESTRICTIONS: For chemistry majors/minors only. **Course Fee \$44 (non-refundable). Satisfies: HC Elective**

CH 464H *Experimental Chemistry II* 3 HC Credit(s)

CRN: 12277 Section 001 LEC M 1300 - 1350 Staff TBA

AND

CRN: 12552 Section 011 LAB M 1400-1650 & W 1300-1650

Instructor(s): Staff TBA

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. **Contact the Chemistry department for registration.** PREREQS: CH 362/362H AND CH 442 (or approval of instructor). RESTRICTIONS: For chemistry majors/minors only. CH 461 or CH 324 are recommended. **Course Fee \$44 (non-refundable). Satisfies: HC Elective**

CHE 331H *Transport Phenomena I*

CRN: 15728 Section 001 LEC MWF 1100 - 1150

AND

CRN: 15729 Section 010 REC MF 1300 - 1350 1 HC Credit(s)

Instructor(s): Staff TBA

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. Recitation is reserved for HC students only. 1 out of the 4 OSU credits earned counts toward Honors College requirements. Prereqs: MTH 256/256H and CBEE 212/212H. CBEE 212/212H can be taken concurrently. Restrictions: Must be in Pro-School in the College of Engineering to enroll in this course. **Satisfies: HC Elective**

CS 160H *Computer Science Orientation*

CRN: 20145 Section 001 LEC MW 900 - 950 3 HC Credit(s)

AND choose one lab section

CRN: 20146 Section 010 LAB F 800 – 950

CRN: 20173 Section 011 LAB F 1000 – 1150

CRN: 20174 Section 012 LAB F 1200 – 1350

CRN: 20175 Section 013 LAB F 1400 – 1550

Instructor(s): Jennifer Parham-Mocello

Introduction to the computer science field and profession. Team problem solving. Introduction to writing computer programs. RESTRICTIONS: This course is **not** for Pro School College of Engineering Students. Freshman or sophomore standing required. **Satisfies: HC Elective**

CS 321H *Introduction to Theory of Computation*

CRN: 20059 Section 001 LEC MWF 1100 - 1150 3 HC Credit(s)

Instructor(s): Juli Schutfort

Survey of models of computation including finite automata, formal grammars, and Turing machines. Prereqs: CS 261 AND (CS 225 OR MTH 231). Restrictions: Must be in Pro-School in the College of Engineering. Not for Computer Science Double Degree students. **Satisfies: HC Elective**

DSGN 341H *Design Thinking and Process Innovation*

CRN: 19985 Section 001 LEC TR 1400 - 1550 4 HC Credit(s)

Instructor(s): Ken Black

Application of a qualitative, multi-method approach to gain insight into how the consumer experience can be improved within a given context. Application of design thinking principles to identify and develop solutions to improve consumer experience within a given context. This course is shared with a section for COB Dean's Academy students. **Honors students should register for section 001.** No-show-drop: students who do not attend the class by the second class meeting will be removed from the course. Restrictions: For Apparel Design and Merchandising Management students only. Minimum of junior standing required. **Satisfies: HC Elective**

ENG 201H *Shakespeare*

CRN: 19399 Section 001 LEC TR 1400 - 1520 4 HC Credit(s)

Instructor(s): Richmond Barbour

This course examines several sonnets, a narrative poem, and four plays from the first half of Shakespeare's career: the Elizabethan phase. The primary goal is to sharpen our skills as readers and interpreters of Shakespeare's work and its cultural energies. Our concerns will range from language, dramatic construction, characterization, genre, gender, and staging to wider questions of Shakespeare's involvement in the economic, political, theatrical, and popular cultures of his day and ours. Students will write a critical essay, a film review, and a final exam. **Satisfies: HC BaccCore – Literature and the Arts OR Western Culture**

ENGR 201H *Electrical Fundamentals*

CRN: 19857 Section 001 LEC TR 1600 - 1650 3 HC Credit(s)

AND

CRN: 19858 Section 010 LAB R 1200 - 1350

Instructor(s): Matthew Johnston

Analysis of linear circuits. Circuit laws and theorems. DC responses of circuits. Operational amplifier characteristics and applications. Prereqs: MTH 251/251H and MTH 252/252H. Recommended Prereq: sophomore standing in Engineering. Restrictions: For Pre-Engineering, Engineering, and Forestry students only. **Satisfies: HC Elective**

ENGR 211H *Statics*

CRN: 18695 Section 001 LEC MW 1600 - 1650 3 HC Credit(s)

AND

CRN: 18696 Section 010 REC F 1000 - 1150

Instructor(s): Michael Scott

Analysis of forces induced in structures and machines by various types of loading. Prereqs: MTH 252/252H. Restrictions: Sophomore standing or higher in engineering. For Pre-Engineering, Engineering, Pre-Forestry, and Forestry students only. **Satisfies: HC Elective**

ENSC 407H/_{HC 407} *Introduction to Traditional Ecological Knowledge (TEK)*

CRN: 20217 Section 400 Online 2 HC Credit(s)

Instructor(s): Samantha Hatfield

The goal of this course is to understand Traditional Ecological Knowledge (TEK) and sustainability practices from a Native American perspective, focusing on the Pacific Northwest but also addressing other Tribes nationally. The emphasis will be on techniques the Siletz have implemented and continue utilizing, but we will also incorporate other techniques from tribal perspectives in local and national areas, as well as how these utilizations coincide with agencies on local, state, and federal levels. This class will focus on how state and federal guidelines, laws, and regulations affect and implement tribal policies and tribal members. This course promotes TEK as a viable sustainability technique and teaches students and community members about further understanding TEK, in cooperation through agencies and policies such as treaties and NAGPRA on Indigenous lands, traditional areas, and cultural practices. Crosslisted with HC 407 section 401. ***This is an Ecampus course. Tuition rates for Ecampus courses are different than on-campus courses and can be found at ecampus.oregonstate.edu/services/tuition.*** Satisfies: HC Colloquia

HC 199***Honors Writing***

3 HC Credit(s)

Choose ONE lecture section

CRN: 11179	Section 001	LEC	MWF 900 - 950
CRN: 11180	Section 002	LEC	TR 800 - 920
CRN: 14065	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. Recommended prereqs: WR 121/121H is **strongly** recommended. **Satisfies: HC BaccCore – Writing II**

HC 299***Farside Entomology***

CRN: 14775	Section 001	SEM	W 1800 - 1950	2 HC Credit(s)
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Instructor(s): Michael Burgett

Farside Entomology is designed to introduce students 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. A formal classroom meeting will be held once a week for 1.5 hours. At the first meeting the class will be divided into teams of 2 students per team. On an every other week basis each team will be required to present their entomological and humanistic interpretation of an entomologically based cartoon. Appropriate reference materials will be attached to each assignment. Every week thereafter a 10 to 12 minute oral presentation will be made by half of the teams. This format will allow students to serve as presenters four times during the academic quarter. Weekly out-of-class preparation time is critically important to team success. **Satisfies: HC Colloquia**

HC 299***Building Hope: International Service Learning***

CRN: 18784	Section 002	SEM	R 1400 – 1550	1 HC Credit(s)
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Meets weeks 1-5 only

Instructor(s): Dave Kovac

This course series is designed to engage students in exploring the impact, perspectives, challenges, and complexities of international service work. In the fall, we focus on cultural contexts. In winter we examine individual, group, and community impact. Spring highlights group development and team building. The *optional* international service trip to a developing country turns the focus to experience in applying concepts, ideas, and energies to the international community served. In the past, our projects have included work in Romania, Ethiopia, Vietnam, and Nepal. Meets weeks 1-5 only. **Satisfies: HC Colloquia**

HC 299***Oregon Outback Excursion***

CRN: 19592

Section 003

SEM

Three-day field trip 9/17-9/19/2018

2 HC Credit(s)

Instructor(s): John Buckhouse

This is a three day field ecology excursion into the rugged and remote High Desert region of Central Oregon. The class will be conducted on 9/17-9/19/2018 (the three days prior to classes beginning on-campus, Fall 2018). The class will be taught by Dr. John Buckhouse and a hand-picked cadre. We will camp in a remote area which does not have water, electricity, or cell service. Dr. Buckhouse will provide the appropriate water, food, and wilderness sanitary facility. Camp meals will be simple, hardy fare; such as steak, hamburgers, and salads. Please contact Dr. Buckhouse at john.c.buckhouse@oregonstate.edu if you have dietary restrictions or allergy issues. This course is a 3-day field trip 9/17/18 - 9/19/18, three days before the start of Fall term. **This course is NOT for first-year OSU students. To register: contact instructor at john.c.buckhouse@oregonstate.edu.** Course Fee \$56. Graded: P/N. Satisfies: HC Colloquia

HC 407***Writing About Music***

CRN: 18157

Section 001

SEM

MW 1200 - 1250

2 HC Credit(s)

Instructor(s): Eric Hill

This class will focus on how we attempt to use words to discuss something that works outside of language. Does music defy description? Is it possible to employ concrete terms for something that, for many, remains abstract and/or subjective? Is writing about music like dancing about architecture? You will be asked to examine and respond to music and texts about music. Through in-class discussions, presentations, and assignments, you will discuss what you see as the values and limitations of these texts, as well as how they compare with your own written attempts to react to music. Much of the material you will be listening to and writing about will come from pieces that you bring in (some of it will be music that I subject you to). You will be writing about music through various forms of expression (description, review, analysis), explaining not only the characteristics of the music but also how context can affect your experience (live versus recorded, instrumental versus lyrics, visual components, etc.). You are not required to play an instrument or to know music theory, but we will go over some theoretical terms that may provide you with some basic vocabulary. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 16957

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. 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. <http://health.oregonstate.edu/gobabygo>. 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: 15040

Section 003

SEM

M 1000 - 1150

2 HC Credit(s)

Instructor(s): Don Johnson

The point of this seminar: "Leading with optimism." All of you are and will continue to be a leader in some aspect of your lives. My definition of leadership is "the creation of a solution, a solution to something." The solution could be as simple as directing a child on how to cross the street or facilitating a group in determining how to address hunger in third world countries. Solutions have a greater degree of success when created from an optimistic perspective. Positive Psychology and the PERMA Theory provide a working framework for creating solutions that are more likely to succeed over a period of time and be effective. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 14746

Section 004

SEM

M 1600 - 1750

2 HC Credit(s)

Instructor(s): Gary Ferngren

C. S. Lewis (1898-1963), Oxford don, novelist, and literary critic, was one of the most gifted and popular theological writers of his generation. Lewis dealt in his philosophical and imaginative works with some of the most basic and perennial moral and religious questions. The format will consist of discussion based on selected readings from four well-known books of C. S. Lewis. I will encourage the expression of a variety of points of view and help students both to analyze Lewis's ideas and to express their own opinions in a rational and informed manner. Lewis is provocative and his writings lend themselves to discussion and debate. A writing component is included in the form of a short paper of six or eight pages based on the assigned reading for the course. The topic: 'How does C. S. Lewis develop and illustrate in his fictional works the themes that he discusses in his philosophical works?' It will be graded on both content and style. Verbal communication skills will be cultivated by the discussion format. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Race and Science*

CRN: 18160

Section 005

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 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 *Science of Art/The Art of Science*

CRN: 15041

Section 006

SEM

R 1000 - 1050

1 HC 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 be productive and move humankind forward. Guests to aid in our discussions will include visual artists, musicians, dancers, and scientists whose interests and skills blend science and art. This course analyzes relationships among science, technology, culture, and society; identifies and applies concepts and theories of basic physical and biological sciences in conjunction with creative artistic processes; analyzes the role of science and technology in shaping diverse forms of creativity and how creative expressions inspire science and technological innovation; and articulates a critical perspective on the convergence of science and technology in parallel with the creative and performing arts using evidence as support. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***American Identity in the World***

CRN: 16937

Section 007

SEM

MW 0900 - 0950

2 HC Credit(s)

Instructor(s): Eliza Barstow

This class invites you to read about and discuss some the key issues that have contributed to ideas about American identity in the world. As we engage with the class readings, we will constantly ask questions such as:

How have people used the term “American” at different points in United States history? Who has been included or excluded from this category at different points in U.S. history? How have American ideas of the “good” or “correct” life influenced U.S. relations with people in other parts of the globe? What are some of the ways in which Americans have consciously attempted to offer a vision of “American identity” to people in other parts of the globe? How have economic endeavors (and challenges) served to shape American identity both at home and throughout the globe? How has various forms of art—film, literature, music—etc. served to create a sense of American identity? **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Crises, Catastrophes, and Cataclysms***

CRN: 15042

Section 008

SEM

T 1300 - 1350

1 HC Credit(s)

Instructor(s): Randall Milstein

Often Earth has a bad day: discussions 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 were 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, Ebola, or avian influenza pandemic among humans? HC 407 analyzes relationships among science, technology, and society; identifies and applies concepts and theories of basic physical and biological sciences; applies scientific methodology to demonstrate formulated conclusions based on observation, analysis, and synthesis; analyzes the role of science and technology in shaping diverse fields of study over time; and articulates a critical perspective on issues involving science, technology, and society using evidence as support. The class offers opportunities to observe astronomical phenomena and objects through solar and nighttime observations, and have our classroom visited by world class experts to speak on certain topics. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 ***Climate Change and Its Challenges: Responding with Resilience in Community***

CRN: 18163 Section 010 SEM R 0800 - 0950 2 HC Credit(s)

Instructor(s): Ken Winograd

How much do you think about climate change? Are you curious and/or concerned? If you would like to examine the perils and opportunities of climate change for you personally, this class offers an opportunity to reflect and learn about what scientists and theologians say is the greatest challenge for humankind, ever. Your personal response to climate change will be the point of departure in learning the ways that people, groups and societies are coping, adapting and even thriving with the challenges ahead. A portion of the class consists of a workshop developed by author and activist Joanna Macy, an interactive group process that 'equips us to with tools to face the mess we're in and play our role in the collective transition...to a life-sustaining society.' You will be challenged to rethink your role as citizen 'in community' in a world reshaped by the changing climate. Other related topics we will address include environmental justice, peace literacy, the nature-human relationship, and social activism. Learning activities will include readings, discussion, a field trip (within a class meeting), readings, and group reflections. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 16938 Section 011 SEM R 1200 - 1350 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 ***Exploring the Oceans Then and Now***

CRN: 19731 Section 012 SEM T 1200 - 1250 1 HC Credit(s)

Instructor(s): Holly V Campbell

This course explores the last one hundred years' exciting evolution of interdisciplinary oceanography. We will trace the highlights of technological advances, marine science (chemistry, physics, biology), mapping and bathymetry, the contributions of women to the field, and the human dimensions of economics, ethics, world politics and competition. Guest experts from Oregon State University and the Pacific Northwest region will share their perspectives. We will also avail ourselves of campus and area resources such as the OSU sediment core lab. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 ***Drug Abuse and Misuse: a Global Perspective***

CRN: 16939 Section 013 SEM R 1400 - 1550 2 HC Credit(s)

Instructor(s): Raymond 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 in selected countries in comparison with the United States. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Robots and Romance***

CRN: 15673

Section 014

SEM

W 1600 – 1850

2 HC Credit(s)

Meets weeks 2-8 only

Instructor(s): Gilad Elbom

This seminar will examine notions of physical and emotional intimacy in science-fiction cinema, paying attention to the various ways in which futuristic movies envision close encounters of the carnal kind. Is there room for courtship, romance, passion, lust, rejection, heartbreak, and other arguably outmoded concepts in a future world marked by mathematical formulas, scientific precision, and technological perfection? Is there room for impure thoughts, unmade beds, and the inherently confusing nature of romantic relations in excessively clean, calculated, controlled environments? Is it possible to engage in intimate contact with nonhuman entities: computers, robots, cyborgs, or other intelligent machines? We will try to develop our ideas through questions about genre, design, narrative strategies, gender relations, human-computer interaction, artificial intelligence, utopia and dystopia, and other related themes. We will read some relevant scholarship, to be posted on Canvas, and address our movies from multiple perspectives and approaches: social, political, historical, psychological, technological, theological, and so on. Meets weeks 2-8 only. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Drought, Earthquake, Zombie Apocalypse: Ensuring Water Security in an Uncertain World***

CRN: 19405

Section 015

SEM

W 1000 - 1150

2 HC Credit(s)

Instructor(s): Gerrad Jones

Whether it's caused by drought, earthquakes, or the zombie apocalypse, humans are more susceptible to water stress than any other land animal, yet we are currently more disconnected from water than at any other point in time. Our ancestors were self-reliant and carried water from hand-dug wells, creeks, or lakes to satisfy their water needs. If our faucets suddenly went dry, would we be able to secure our water needs for our families and communities? Together, we will explore topics focusing on water security and how it shaped/shapes our past, present, and future, both here on Earth and on distant worlds as we travel through space. We will participate in several hands-on “challenges” that will culminate in a term long project: designing a fail-proof water system that will help us survive the zombie apocalypse. This course is open to all who “thirst” for knowledge. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Humanizing the Cosmos***

CRN: 16940

Section 016

SEM

M 1600 - 1650

1 HC Credit(s)

Instructor(s): Paul Lorenzini

Is there a problem reconciling science with our humanity? The philosopher Simon Critchley argues there is, calling it an “intractable dilemma.” As he puts it, “the philosophical cost of truth seems to be scientism, in which case we become beasts.” On the other hand, “the rejection of scientism through a new humanization of the cosmos seems to lead to obscurantism, in which case we become lunatics.” Is Critchley right? What does he mean and is this really the “dilemma” he says it is? How does Critchley’s concern explain historic tensions between the sciences and the humanities in Western thought and culture? We will try to answer these questions and discuss various ways these tensions have come to express themselves in modern America. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Dawn of the Anthropocene*

CRN: 16433 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: 17299 Section 018 SEM **Pre-trip meeting: R 9/20/18 at 1600-1650** 1 HC Credit(s)

3-day field trip: 9/21/18-9/23/18

Post-trip meeting: R 9/27/18 at 1600-1650

Must register by 8/23/18

Instructor(s): Eric Hill

The course requires attendance at an organizational meeting (9/20/18), a three-day field trip (9/21/18-9/23/18), and one discussion meeting (9/27/18). 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 9/21/18 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 Sunday 9/23/18 at 10:00am (following breakfast).

Course Fee of \$268.00 includes tickets for three plays, coach travel, and two nights hotel stay with continental breakfast.

Bring money for snacks and meals - only breakfast will be provided. Since all arrangements have been prepaid, the course

fee is non-refundable if the course is not dropped prior to the 1st 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. Fee Non-Refundable if not dropped by the

first day of the term. **Course Fee \$268. MUST REGISTER BY 8/23/18 TO TAKE THE COURSE. REGISTRATION FOR THIS**

COURSE WILL CLOSE AT MIDNIGHT ON 8/23/18. Graded: P/N. Satisfies: HC Colloquia

HC 407 *Science of Science Fiction*

CRN: 17283 Section 019 SEM T 1000 - 1050 1 HC Credit(s)

Instructor(s): Randall Milstein

The good, the bad, the inventive, and the absolutely awful examples of “science” portrayed in science fiction films, television shows, comic books, and literature. Aliens, light sabers, space battles, gravity drives, warp speed, laser beams, star gates, and worm holes; what’s real, what’s a possibility, what’s speculation, and what is impossible. There is a co-dependency between science and science fiction. Many scientists and engineers acknowledge science fiction helped spark their imaginations of what might be possible in science. And science fiction authors are inspired by future science possibilities, but how do novel scientific ideas get into Sci-Fi authors’ heads in the first place? Discussions and viewings of some of our favorite and least favorite science fiction, so we know what to look for while enjoying modern society’s best loved metaphors and mythologies. This course analyzes relationships among science, technology, popular culture, philosophy, and science fiction; identifies and applies concepts and theories of basic physical and biological, and social sciences; applies scientific methodology to demonstrate formulated conclusions based on observation, analysis, and synthesis; analyzes the role of science, technology, and philosophy in shaping science fiction in popular entertainment and literature; and articulates a critical perspective on issues involving science, technology, entertainment, philosophy, and society using evidence as support. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Have Rocket, Will Travel***

CRN: 18164 Section 020 SEM T 1000 - 1150 2 HC Credit(s)

Instructor(s): Stephen Atkinson

Sinatra and Bowie sang about it, Wells and Clark wrote about it, and people like Elon Musk and Jeff Bezos are spending billions of their own money to reinvent the industry. So, are you ready to go to space? Together we will explore the history, motivations, physics and fantasy behind rockets and space travel. From Rocket Science 101, to the Space Race, to current and future space missions, this course will inspire you with both the fiction and realities of leaving the green Earth for the emptiness of Out There. Students with non-science/engineering backgrounds are most welcome! We will meet face-to-face for a single, one hour fifty minute session each week. Prior to most classes, you will be expected to complete an online learning activity, e.g. watch a video, read a paper, visit a website, and complete a study guide/quiz. A typical class will involve a seminar on the weekly topic, student presentations, group discussions and hands-on activities. We will compare what we learn from non-fiction sources with how space travel has been portrayed in movies and tv series including Star Trek, Gravity, Interstellar and The Martian. Be prepared to brainstorm concepts and work both in small groups and independently. At least two weeks will include out-of-classroom learning experiences such as a tour of the OSU AIAA lab on campus, and a Space Walk - scales of the solar system field walk. Assessment will be through online quizzes and creative assignments that include: short oral presentations, basic sketching and note-taking in your class journal, a sculpture project and a poster project. There will be no mid- or final- exams, but participants will have to submit a class journal and poster for grading at end-of-term. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Vampires, Race, and Gender***

CRN: 19406 Section 021 SEM MW 1500 - 1550 2 HC Credit(s)

Instructor(s): Jonathan Kaplan & Benita Blessing

Vampires are more than characters in scary stories. Together, we will explore the ways in which vampires tell us who we are, and who we fear. Our sources will include novels, vampires in history, films, and even literature from self-identifying vampires today. Using an interdisciplinary approach, we will engage with the ways in which vampire stories interact with issues of race, ethnicity, gender, and sexuality. Students will regularly share their findings with the colloquium about vampires and their meanings, and design their own final multi-media projects that help answer questions about what vampires truly are. **Satisfies: HC Colloquia**

HC 407***Exploring History Through the Graphic Novel***

CRN: 18649 Section 022 SEM T 1700 - 1850 2 HC Credit(s)

Instructor(s): Andrea Marks

This colloquium uses the graphic novel, as a means to explore various cultures and histories. Typically, 6-8 graphic novels are read over the course of the term. This colloquium explores various narrative structures and visual styles, reading modes, etc. that relate directly to comics/graphic novels. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Disruptive Innovation: Can we disrupt from within?***

CRN: 18650 Section 023 SEM M 1400 – 1550 1 HC Credit(s)

Meets weeks 3-7 only

Instructor(s): David King

Clayton Christensen's broadly applied theory of disruptive innovation, (Christensen, 2000; Christensen & Eyring, 2011), suggests that technologies which simplify complex processes and products aimed at meeting the needs of a segment of the public not currently served—or underserved—by existing providers can transform an industry, with older producers giving way to new competitors. This seminar will look at forms of disruptive innovation with the potential to reach what Christensen calls non-consumers. Meets weeks 3-7 only. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Data Driven Enchanted Objects*

CRN: 19414 Section 031 SEM F 1000 - 1150 2 HC Credit(s)

Instructor(s): Chet Udell

Arthur C Clarke wrote, "Any sufficiently advanced technology is indistinguishable from magic." How have our ideas of enchanted objects inspired new technology over time? How has advancing technology transformed our notions of magic? What are we doing today that would be considered magical a few decades ago? What do we consider magical now that may be possible in mere decades? You will explore these ideas through experiential hands-on projects using plug and play wireless sensors to build your very own enchanted objects that interact with the seemingly magical digital world around us. Students get to keep their creations and sensor kits after the course is completed. From Harry Potter to Hunger Games, magical objects are not only ubiquitous in our popular culture, but have also fundamentally transformed the products we use and the things we can do in daily life. Shoes keep track of how far and fast we run, watches detect when their bearer has heart trouble, and you can click your heels three times (to send an emergency call to your phone) to get out of a meeting or bad date. While technologies and the words we use to describe them may evolve, our desire to acquire objects that augment our capacities to gain knowledge, communicate, protect, and create have remained largely consistent throughout recorded history and across cultural barriers. Enchanted objects that facilitate these wishes are extant in our folklore, mythologies, epic poems, religious texts and can be found in much of our earliest recorded literature. We'll supplement and inform our project experiences through reading and video excerpts you select to investigate a variety of magical objects and their real-world counterparts throughout history. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Gender, Sexual Politics, and Music: Case Studies in Musical Identity and Representation*

CRN: 19589 Section 032 SEM F 1200 – 1350 1 HC Credit(s)

Meets weeks 1, 3, 5, 7, & 9 only

Instructor(s): Kimary Fick

This course aims to participate in the discourse on the inequity and discrimination experienced by women and members of the LGBTQ community in music. Students will examine key literature in music and gender studies that identifies theories, methodologies, and key concepts. Each weekly meeting will be devoted to applying these methods through case studies across the history of western music to today. Topics include an examination of the different cultural conditions in which women made music, the influence of women on the musical world and the surviving canon, music and identity formation, and representations of women and sexuality both on the historical stage and in contemporary popular music. Through this course students will develop a deep understanding of issues surrounding gender and music studies and form a personal viewpoint on addressing these topics as related to modern culture and society. **Meets weeks 1, 3, 5, 7, & 9 only. Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Adaptation for the Stage*

CRN: 19590 Section 033 SEM MW 1300 - 1350 2 HC Credit(s)

Instructor(s): Elizabeth Helman

This creative writing workshop focuses on the adaptation of existing works of literature for the stage. Projects can include (but are not limited to) the adaptation of poetry, fiction, or historical narratives. At the end of the term, student work will be showcased in a publicly staged reading. **Satisfies: HC Colloquia**

HC 407 *Science Journal Club*

CRN: 19591 Section 034 SEM TR 1500 - 1550 2 HC Credit(s)

Instructor(s): Christopher Mathews

Students read Science magazine, the weekly publication of the American Association for the Advancement of Science. From their reading they select articles for oral presentation. Each student is required to give four ten- to twelve-minute talks during the term, each talk to be followed by general class discussion. The course grade is based two thirds on the quality of the oral presentations and one third on participation in the discussions. **Satisfies: HC Colloquia**

HC 407**Reading Works of Art**

CRN: 20385

Section 035

SEM

MW 1000 - 1050

1 HC Credit(s)

Meets weeks 1-5 only

Instructor(s): Thomas Strini

What do you do when you stand before a work of art? Look, yes – but beyond that, what? Through interactions with art and with artists, through conversation about specific works and through exposure to a wide variety of art, Reading Works of Art will guide students toward the knowledge, the mindset and the viewing strategies that enhance the pleasures of art and of discussing art with others. Students will closely examine works of visual art readily available in Corvallis, primarily in Fairbanks Gallery, in the Art Center, and in the Northwest Art Collection of the Valley Library. Students will also research the artists, techniques and media relevant to those works. They will share findings and conclusions with classmates in multi-media presentations and finally document them in brief (1,000-word), illustrated papers written in popular, journalistic style. The best will be published in the Corvallis Review, an online magazine created and edited by the instructor. Students will get to know area artists via artist talks in the classroom, in galleries, and, if practical, in studio visits. We will also examine old and new works of international import via internet, in live "hot-read" discussions in class. They will analyze the forms and structures of artworks, delve into their possible meanings, and develop vocabularies for talking and writing about them. They will locate historical works on a timeline to gain a sense of the sweep of art history and art history's place in the context of larger human history. The desired student outcomes of the colloquium are sharpened eyes for art, a greater knowledge of it, and a degree of eloquence in thinking, speaking and writing about it. The sum of those outcomes will be broadened, enriched lives. Faithful attendance, thoughtful participation, and timely completion of tasks will result in a passing grade. **Meets weeks 1-5 only. Graded: P/N. Satisfies: HC Colloquia**

HC 407**The Holocaust in the Digital Age**

CRN: 19856

Section 400

Online

2 HC Credit(s)

Instructor(s): Katherine Hubler

A "virtual tour" of Anne Frank's hiding place. Conversations with 3-D avatars of actual Holocaust survivors. Tweets from now-deceased Jewish passengers of the ill-fated St. Louis cruise-liner, forced to return to Europe on the eve of WWII after being denied entry into Cuba, the US, and Canada.

As the World War Two era fades deeper into the recesses of the 20th century and the last survivors of Nazi persecution approach their nineties, scholars and educators are turning increasingly to the digital to preserve evidence, raise awareness, and prompt sober reflection about the Holocaust. While the technologies have become more sophisticated, new forms of media have actually been central to efforts to record survivor testimonies and bring perpetrators to justice since the end of World War Two. This class explores the historical intersection of the Holocaust and new media. It will also analyze how social media, visualizations, virtual reality, and artificial intelligence are currently being used by Holocaust researchers and educators during a time when awareness about the Holocaust is fading and antisemitic incidents are on the rise. **This is an Ecampus course. Tuition rates for Ecampus courses are different than on-campus courses and can be found at ecampus.oregonstate.edu/services/tuition.** Satisfies: HC Colloquia

HC 407/ENSC 407H**Introduction to Traditional Ecological Knowledge (TEK)**

CRN: 20216

Section 401

Online

2 HC Credit(s)

Instructor(s): Samantha Hatfield

The goal of this course is to understand Traditional Ecological Knowledge (TEK) and sustainability practices from a Native American perspective, focusing on the Pacific Northwest but also addressing other Tribes nationally. The emphasis will be on techniques the Siletz have implemented and continue utilizing, but we will also incorporate other techniques from tribal perspectives in local and national areas, as well as how these utilizations coincide with agencies on local, state, and federal levels. This class will focus on how state and federal guidelines, laws, and regulations affect and implement tribal policies and tribal members. This course promotes TEK as a viable sustainability technique and teaches students and community members about further understanding TEK, in cooperation through agencies and policies such as treaties and NAGPRA on Indigenous lands, traditional areas, and cultural practices. Crosslisted with ENSC 407H. **This is an Ecampus course. Tuition rates for Ecampus courses are different than on-campus courses and can be found at ecampus.oregonstate.edu/services/tuition.** Satisfies: HC Colloquia

HC 408 *Thesis: Stage 2 Explore & Build*

CRN: 13855 Section 001 WS T 1700 - 1850 1 HC Credit(s)

Meets weeks 2, 3, 4 & 8 only

Instructor(s): Kassena Hillman, Indira Rajagopal, & Kevin Ahern

This course will guide students through Stage 2 of the Thesis Success in Stages (TheSIS) process, Explore & Build. In this course, you will learn to 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, etc.), and we'll hear from students and faculty with experience in the thesis process. You will complete all of the tasks related to Stage 2 of the TheSIS process by: 1) Summarizing an interview/conversation with a faculty member who could serve as a mentor, 2) Summarizing an interview/conversation with an honors student currently working on their thesis, and 3) Exploring a series of resources and opportunities available to successfully complete the thesis. The Stage 3 module of the TheSIS (which comes after this course) is then designed to move students through the steps required to complete a signed thesis proposal and pose some additional questions relevant to this stage of their experience. Course will be team taught. Meets weeks 2, 3, 4 & 8 only. PREREQS: Prior completion of TheSIS Stage 1 as outlined at honors.oregonstate.edu/thesis.

Graded: P/N. Satisfies: HC Thesis/Research/Projects

HC 408 *Thesis: Stage 3 Commit*

CRN: 15044 Section 002 WS R 1600 - 1750 1 HC Credit(s)

Meets weeks 3 and 6 only

Instructor(s): Rebekah Lancelin & Michael Burgett

This course will guide students through Stage 3 of the Thesis Success in Stages (TheSIS) process, Commit. We will cover the process of developing a thesis topic, finding a thesis mentor, creating a thesis statement, writing a thesis proposal, and developing a research plan. The course will require participants to turn in a completed thesis proposal signed by a thesis mentor, which is the end goal of the Commit stage and a required component of the TheSIS process in the Honors College. Meets weeks 3 and 6 only. PREREQS: Prior completion of TheSIS Stages 1 & 2 as outlined at honors.oregonstate.edu/thesis. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**

HC 408 *Thesis: Stage 4 Compose & Complete*

CRN: 16190 Section 003 WS F 1400 - 1550 1 HC Credit(s)

Meets weeks 2, 4, and 6 only

Instructor(s): Ben Mason

This course will guide students through the final stage of the Thesis Success in Stages (TheSIS) process, Compose & Complete. The goals of this stage 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. Meets weeks 2, 4, and 6 only. PREREQS: Prior completion of TheSIS Stages 1, 2 & 3 as outlined at honors.oregonstate.edu/thesis. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**

HC 409 *PRAC/Civic Engagement*

CRN: 15161 Section 005 PRAC 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 an HC advisor to complete a Learning Agreement and a CCE staff member to discuss placement opportunities. Placement must take place no prior to the start of the term.

Graded: P/N. Satisfies: HC Elective

HC 409 *PRAC/Conversants*

CRN: 11369 Section 007 PRAC 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 an 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* 1 HC Credit(s)

*Choose **ONE** of the sections*

CRN: 16941 Section 009 PRAC TBD

CRN: 17104 Section 010 PRAC TBD

CRN: 18667 Section 011 PRAC TBD

Instructor(s): LeeAnn Baker

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**

HHS 231H *Lifetime Fitness for Health*

CRN: 18558 Section 001 LEC MW 0900 - 0950 2 HC Credit(s)

Required field trip F 11/9/18 @ 9-1050 OR 12-1350

Instructor(s): Erica Woekel

HHS 231 offers in depth examination of physical activity, nutrition, and health behavior change principles. This class consists of active conversations and activities, and experiential learning outings to a grocery store and participating in some physical activity. **Required field trip Friday of Week 7 (11/9/18) 9-1050 AM OR 12-1350 PM. Satisfies: HC BaccCore – Fitness**

HST 390H *Mideast Women: In Their Own Words*

CRN: 19415 Section 001 LEC TR 1000 - 1150 4 HC Credit(s)

Instructor(s): Jonathan Katz

The lives of modern Middle Eastern women as told in memoirs, autobiography and film. First-person narratives and film portrayals provide the means for understanding historical events and contemporary trends in the region. **Satisfies: HC BaccCore – Contemporary Global Issues**

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

CRN: 19727 Section 001 LEC MW 1400 - 1550 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: 14677 Section 001 LEC MWF 1200 - 1250

AND

CRN: 14678 Section 010 LAB F 1000 - 1150 1 HC Credit(s)

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 out of the 4 OSU credits earned counts toward Honors College requirements. Prereqs: ENGR 248 and ME 250. ME 250 can be taken concurrently. ME 316 is recommended. Restrictions: Must be enrolled in Pro-School in the College of Engineering. Engineering Physics, Manufacturing Engineering, Mechanical Engineering, Industrial Engineering, and Nuclear Engineering majors/minors only. **Satisfies: HC Elective**

MIME 101H ***Introduction to MIME***

CRN: 17296 Section 001 LEC MW 1400 - 1450 3 HC Credit(s)

AND CHOOSE ONE REC SECTION:

CRN: 17297 Section 010 REC F 1200 - 1350

CRN: 17298 Section 011 REC F 1400 - 1550

CRN: 20411 Section 012 REC F 0800 - 0950

CRN: 20412 Section 013 REC F 1000 - 1150

Instructor(s): Nancy Squires

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. Restrictions: This course is **not** for Pro-School College of Engineering Students. **Satisfies: HC Elective**

MTH 251H ***Differential Calculus*** 4 HC Credit(s)**Choose ONE of the lecture sections**

CRN: 12278 Section 001 LEC MW 0800-0850 & F 0800-0950 Filix Maisch

CRN: 15886 Section 002 LEC MWF 1000 - 1120 Hoewoon Kim

CRN: 17351 Section 003 LEC TR 0800 - 0950 Dan Rockwell

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. PREREQS: MTH 112. Sufficient test scores may waive MTH 112 PREREQ. **Course Fee \$10.** **Satisfies: HC BaccCore – Mathematics**

MTH 252H ***Integral Calculus***

CRN: 15636 Section 002 LEC MWF 1000 - 1120 4 HC Credit(s)

Instructor(s): Scott Peterson

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. 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. PREREQS: MTH 251/251H. **Course Fee \$10. Satisfies: HC Elective**

MTH 254H ***Vector Calculus I*** 4 HC Credit(s)*Choose ONE of the lecture sections*

CRN: 12279 Section 001 LEC MWF 1400 - 1520 Ralph Showalter

CRN: 14075 Section 002 LEC TR 1200 - 1350 Juha Pohjanpelto

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. PREREQS: MTH 252/252H. **Course Fee \$10. Satisfies: HC Elective**

MUS 102H ***Reggae: A History of Jamaican Music***

CRN: 14193 Section 001 LEC MWF 1200 - 1250 3 HC 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: HC BaccCore – Literature and the Arts**

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

CRN: 19728 Section 001 LEC MW 1400 - 1550 4 HC Credit(s)

Instructor(s): Deborah Pence

Crosslisted with ME 311H. See ME 311H for course description. Prereqs: ENGR 212/212H and MTH 256/256H. **Satisfies: HC Elective**

OC 407H ***Astrobiology***

CRN: 14309 Section 001 SEM TR 1300 - 1350 2 HC Credit(s)

Instructor(s): Frederick Colwell & 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. Recommended prereqs: One year of college-level chemistry is ***STRONGLY*** recommended. **Satisfies: HC Colloquia**

PAC 293H ***Interdisciplinary Yoga: Mindfulness Skills***

CRN: 18008 Section 001 ACT T 1600 - 1750 1 HC Credit(s)

Instructor(s): Tsipora Berman

Journey to the seen and the unseen through a multi-sensory, interdisciplinary, transformative study of mindfulness utilizing a fun, creative variety of individual and group mind/body practices applicable to everyday life and across academic disciplines. Develop your imagination, intuition, inspiration, integration, and interpretation including 15 sensory perceptions to live to your highest potential with resilience to navigate the challenges of personal and professional endeavors. You will unravel the mysteries of why the 8,000 year old science of Yoga is all encompassing, integrated with Positive Psychology, Physics, Neuroscience, Human Biology, and grounded in the eight-part awakening process. **Course Fee \$49. Satisfies: HC BaccCore – Fitness**

PAC 325H ***Wilderness First Aid***

CRN: 19416 Section 001 ACT W 1200 – 1350 1 HC Credit(s)

Meets weeks 1-8 only
Required all-day field trip Saturday 11/10/18

Instructor(s): Sheila Evans

Crunch! Uhg... Ouch! Do you recreate with accident-prone friends or family? Do you spend any time playing the outdoors? Knowing the fundamentals of emergency care in non-urban environments are useful skills. Backcountry emphasis with long-term care and evacuation complications makes this course unique. There will be a number of outdoor sessions so come prepared with “grubby” clothes that will get dirty or fake-bloody. The course has two components: knowledge as evidenced by performance on written exams and quizzes and practical skills as demonstrated throughout the course and on the final exam. Hold the Date for the Wild Day: Saturday, November 10, 2018. **Course Fee \$167. Satisfies: HC BaccCore – Fitness**

PH 221H ***Recitation for Physics 211***

CRN: 13245 Section 001 REC T 1100 - 1150 1 HC Credit(s)

Instructor(s): David Roundy

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. COREQ: PH 211. **Graded P/N. Satisfies: HC Elective**

PH 222H ***Recitation for Physics 212***

CRN: 12280 Section 001 REC R 1400 - 1450 1 HC Credit(s)

Instructor(s): David McIntyre

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. COREQ: PH 212. **Graded P/N. Satisfies: HC Elective**

PH 407H***The Mystery of Consciousness***

CRN: 19418

Section 001

SEM

F 1400 - 1450

1 HC Credit(s)

Instructor(s): Albert Stetz

Think of all your loves and desires, all your memories and everything that makes you a unique individual existing through time. All this arises from your brain, three pounds of wrinkled grey meat. Operating a full capacity, it consumes about 12 watts of power, as much as a dim light bulb. How is this possible? The short answer is that we just don't know. Part of the problem is the brain's vast complexity. We have as many neurons as there are stars in the galaxy, as many dendrites as there are leaves on all the trees in the Amazon rain forest. There are some promising lines of investigation however. We understand the physiology of neurons and know, at least in outline how vision comes about. There are computers with the architecture of neural nets than can perform some of the tasks of human intelligence. Functional MRI allows us to "see" where various thought processes take place in the brain. Philosophers have wrestled with the mystery of consciousness at least since Descartes in the 17th century. They have shown us, if nothing else, how subtle and difficult it is. I have two goals in this course. One is to give you an overview, a bird's-eye view as it is called, of this mass of material. My other goal is to encourage you to come to terms with some of the classical unresolved questions. Can computers, for example, become conscious in the same sense that we are conscious – or – does the "Black and White Mary" argument really prove that the laws of material science will never be adequate to explain consciousness? I would like to organize class discussion of these issues. You will need to write summary reports. Your grade will be partly based on these reports and partly on your class participation. **Satisfies: HC Colloquia**

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

CRN: 19419

Section 001

LEC

TR 1200 - 1320

3 HC Credit(s)

Instructor(s): Barbara Muraca

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 'Ecosystem Services' and their valuation. We will also engage with perspectives that question the Western model of development, like 'Degrowth' and 'Ecofeminism' or the vision of a 'Radical Ecological Democracy' developed by Indian environmental activists and the concept of 'Buen Vivir' (Living Well) stemming from indigenous people from Latin America. Environmental conflicts are value conflicts: different ways of understanding our relation to nature support different programs and projects to address the global ecological crisis. We will analyze some of them in details with great attention to different points of view and to the distribution of burdens and benefits (who are the winners and who are the losers in each of them? Whose perspective is being considered or neglected?). In this class we will meet with different forms of texts and different disciplines: scholarly works in the fields of philosophy, ecology, ecological economics, and political theory; activists' and political documents; policy advice, narrative, and hypertexts. And of course also interviews and short films. Crosslisted with REL 443H. Recommended prereqs: One introductory-level science course and sophomore standing is recommended.

Satisfies: HC BaccCore – Global Issues**PHL/REL 444H*****Biomedical Ethics***

CRN: 14679

Section 001

LEC

MW 1200 - 1350

4 HC Credit(s)

Instructor(s): Jonathan Kaplan

In this class, we will cover 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. Crosslisted with REL 444H. **Satisfies: HC BaccCore – Science, Technology, Society**

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

CRN: 19420 Section 001 LEC TR 1200 - 1320 3 HC Credit(s)
Instructor(s): Barbara Muraca

See PHL 443H for course description. Crosslisted with PHL 443H. Prereqs: One introductory-level science course and sophomore standing is recommended. **Satisfies: HC BaccCore – Contemporary Global Issues**

REL/PHL 444H ***Biomedical Ethics***

CRN: 16942 Section 001 LEC MW 1200 - 1350 4 HC Credit(s)
Instructor(s): Jonathan Kaplan

See PHL 444H for course description. Crosslisted with PHL 444H. **Satisfies: HC BaccCore – Science, Technology, Society**

WGSS 235H ***Women in World Cinema***

CRN: 16191 Section 001 LEC W 1600-1850 3 HC Credit(s)
Instructor(s): Mehra Shirazi

Explores constructions and practices of gender in a transnational, multi-religious, and global framework by examining a wide variety of films about women around the world. **Satisfies: HC BaccCore – Cultural Diversity**

WLC 429H ***French Society through Cinema***

CRN: 19598 Section 001 LEC F 1000 - 1250 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: HC BaccCore – Western Culture**

WR 121H ***English Composition***

3 HC Credit(s)

Choose ONE of the sections

CRN: 17068	Section 001	LEC	TR 1400 - 1520	Clare Braun
CRN: 18012	Section 002	LEC	MWF 1000 - 1050	Liz Delf
CRN: 19422	Section 003	LEC	MWF 1500 - 1550	Liz Delf

Introduction to critical thinking, the writing process, and the forms of expository writing. Intensive writing practice, with an emphasis on revision. WR 121H is not restricted by last name. **Satisfies: HC BaccCore – Writing I**