

# Fall Extension 2019 Course Options

These classes take place prior to the first day of fall term and are not open to incoming first-year students. Must register by 9/6/19.

**If you have questions about the content or plan for any of these courses, please contact the instructor for the course you're interested in.** If you'd like to register for one of these courses, please follow the instructions below:

## How to register for these fall extension courses:

1. **AFTER you are eligible to register** for classes, send an email to [uhcadvisor@oregonstate.edu](mailto:uhcadvisor@oregonstate.edu) and provide the following information. We'll process requests in the order received; if any of the details below are missing, that may cause a delay.
  - a. Your full name & OSU student ID
  - b. Your class standing & the date/time that you became eligible to register
  - c. Class subject/number you want to register for (ex. ENSC 407H)
  - d. The CRN for the class you want to register for
2. You will receive an email with information regarding your override and when you'll be able to add the class.

## **ENSC 407H**      **Oregon's High Desert**      2 HC Credit(s)

CRN: 20256      Section 001      SEM      Pre-trip meeting 9/17/19 at 1200-1350  
5-day field trip 9/18/19 – 9/22/19

Instructor(s): Kaplan Yalcin

**To register for this class, follow the instructions at the top of this page.**

This Honors College colloquia explores Oregon's High Desert (the area east of the Cascades and south of the Blue Mountains). Through a five day field trip we will explore the relationships between the region's geological, climate, and human history as seen in the physical and living landscape of this part of the state. This colloquium seeks to integrate concepts from geology, hydrology, biology, and ecology. This is a field-trip course that takes place only on September 18th through September 22nd with a pre-trip meeting on September 17th. **Must register by 9/6/19.** This course is not available for incoming first-year students. **Course Fee: \$48. Satisfies: HC Colloquia**

## **HC 407**      **A Field to Fork View of Farming Systems in Oregon**      2 HC Credit(s)

CRN: 20016      Section      SEM      Meets 9/15/19 – 9/17/19 only  
Each day is an all-day field trip

Instructor(s): Dan Arp

**To register for this class, follow the instructions at the top of this page.**

Over 200 agricultural commodities are produced in Oregon, more than any other state. Producers use a variety of farming approaches (e.g. organic, conventional) from small scale (a few acres) to large scale (thousands of acres). In this course, students will learn about these diverse farming systems in Oregon and finish each day with a meal based on Oregon produce. The format will consist of visits to local farms, processing plants and research centers. Students will participate in the preparation of evening meals that will be based on Oregon produce. This is a 3-day field-trip course that takes place September 15th - 17th only. **Must register by 9/6/19.** This course is not available for incoming first-year students. **Course Fee: \$64. Satisfies: HC Colloquia**

# Fall 2019 Honors BaccCore Options

## **ANS 121H**      **Introduction to Animal Sciences**      4 HC Credit(s)

*Register for lecture and lab*

CRN: 17378      Section 001      LEC      TTh 0800 - 0920

CRN: 17379      Section 010      LAB      T 1200 - 1350

Instructor(s): Matthew Kennedy & Dawn Sherwood

Students will be exposed to the basic sciences and management related to raising and caring for domestic animals such as Beef, Dairy, Equine, Poultry, Sheep, Companion Animals and Swine. Additionally the current issues that impact animals will be discussed such as animal welfare, sustainability and many more. Labs include visits/field trips to the animal units here at OSU and local community with the opportunities to learn more basic daily care/focus along current research/happenings occurring at each site. **Course Fee: \$55. Satisfies: HC BaccCore - Biological Sciences**

## **ANTH 314H**      **Peoples of the World: Middle East**      3 HC Credit(s)

CRN: 20231      Section 001      LEC      MWF 0900 - 0950

Instructor(s): Vasiliki Touhouliotis

For centuries, the Middle East has been viewed through the eyes of the Western world as an exotic, mysterious, and inherently violent place. What are the conditions that have produced this idea of the Middle East? And what are its consequences? The course begins with these questions and students analyze contemporary media representations of the Middle East to reveal how stereotypes still structure a dominant understanding of this vast area and its diverse inhabitants. From there, we cover important topics that shape everyday life in the contemporary Middle East including war and refugee camps, humanitarianism, oil, gender, political practices, the Israeli-Palestinian conflict, environmental pollution, and climate change. Anthropological methods and approaches to the Middle East help students understand how global structures such as capitalism and imperialism create social and political realities that are lived in and contested. **Satisfies: HC BaccCore – Cultural Diversity**

## **BI 211H**      **Principles of Biology**      4 HC Credit(s)

CRN: 14721      Section 001      LEC      MWF 1300 – 1350      Nathan Kirk  
GRP MID

**AND choose one lab section**

CRN: 12558      Section 010      LAB      W 1400 - 1650      Carmen Harjoe

CRN: 13292      Section 011      LAB      Th 800 - 1050      Carmen Harjoe

CRN: 18712      Section 012      LAB      F 1400 - 1650      Adam Chouinard

Origins of life, energy transformations, plant and animal diversity. RESTRICTIONS: This course is for life science majors and pre-professional students. **Course Fee \$29. Satisfies: HC BaccCore - Biological Sciences**

<b>CH 231H</b>	<b>Honors General Chemistry</b>			4 HC Credit(s)
CRN: 15867	Section 001	LEC	MWF 1200 - 1250	Mike Lerner
			<b>AND choose one recitation section</b>	
CRN: 15869	Section 010	REC	T 1100 - 1150	Mike Lerner
CRN: 15870	Section 011	REC	Th 1400 - 1450	Mike Lerner
			<b>AND choose one of the CH 261H lab sections</b>	

<b>CH 261H</b>	<b>Laboratory for Honors General Chemistry</b>			1 HC Credit(s)
CRN: 14292	Section 010	LAB	T 1200 - 1450	
CRN: 14293	Section 011	LAB	Th 1500 - 1750	
Instructor(s): Michael Burand				

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 (if students elect to take the CH 271 lab instead of CH 261H, the credit earned for the lab will not count toward Honors College requirements). 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**

<b>ED 216H</b>	<b>Purpose, Structure, and Function of Education in a Democracy</b>			3 HC Credit(s)
CRN: 19645	Section 001	LEC	TTh 800 - 920	
Instructor(s): Mike O'Malley				

Introduction to the historical, social, philosophical, political, legal and economic foundations of education in Oregon, the United States, and other countries in order to provide a framework from which to analyze contemporary educational and environmental issues in various schools, communities, and workplaces. **Satisfies: HC BaccCore - Difference, Power, and Discrimination**

<b>ENG 275H</b>	<b>The Bible as Literature</b>			4 HC Credit(s)
CRN: 19639	Section 001	LEC	MWF 1000 - 1050	
Instructor(s): Chris Anderson				

In this class we'll try to set aside everything else and look closely at the language and style of the four canonical gospels, Matthew, Mark, Luke, and John, as if we are reading any other story, the work of any other creative writer: the narrative arcs, the development of character, what the stories say and what they don't. I'll ask you to do two informal in-class "Quick Writes," leading to a midterm and a final essay. There'll also be frequent in-class freewriting. Our emphasis will be on ways of reading--on kinds of truth and methods of interpretation. **Satisfies: HC BaccCore - Literature and the Arts OR Western Culture**

<b>ES 223H</b>	<b>Survey of African American Studies II</b>			4 HC Credit(s)
CRN: 20245	Section 001	LEC	TTh 1400 - 1550	
Instructor(s): Robert Thompson				

An interdisciplinary survey of the African American experience from World War I to the present. **Satisfies: HC BaccCore - Difference, Power, and Discrimination**

**ES 445H**      **Native American Science and Technology**

4 HC Credit(s)

CRN: 20234      Section 001      LEC      TTh 1200 - 1350

Instructor(s): David Lewis

Examination of scientific and technological discovery, continuity, and change among indigenous peoples, with particular emphasis on selected communities of pre- and post-European contact North America. **Satisfies: HC BaccCore – Science, Technology, and Society**

**GEOG 300H**      **Sustainability for the Common Good**

3 HC Credit(s)

CRN: 20017      Section 001      LEC      W 1800 - 2050

Instructor(s): Steve Cook

This class focuses on individual actions that can lead to a more sustainable life. The course is also "real" in that when I speak of the 5.5 billion people not living the good life, I take the class on a vicarious voyage to rural Burma. When I speak of growing and preserving your own food, I take you to my farm and garden (both in class and as an extra credit option field trip). On the importance of public land to our well being, I take students along with me across Oregon on a mountain bike. Powerpoints? Not so much. Exams? None. **Satisfies: HC BaccCore - Contemporary Global Issues OR Science, Technology, Society**

**HC 199**      **Honors Writing**

3 HC Credit(s)

*Choose one lecture section*

CRN: 11092      Section 001      LEC      MWF 900 - 950

CRN: 11093      Section 002      LEC      TTh 1200 - 1320

CRN: 13760      Section 003      LEC      TTh 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. PREREQS: WR 121/121H. **Satisfies: HC BaccCore - Writing II**

**HST 202H**      **History of the United States**

4 HC Credit(s)

CRN: 19642      Section 001      LEC      MW 1400 - 1550

Instructor(s): Stacey Smith

Provides an overview of the development of the U.S. from the pre-Columbian era to the present. Attention is given to economic, political, and social trends, as well as to international relations. **Satisfies: HC BaccCore - Difference, Power, and Discrimination OR Western Culture**

**MTH 251H**      **Differential Calculus**

4 HC Credit(s)

*Choose one lecture section***MTH 251H does not have a recitation – that hour is built into the lecture**

CRN: 12122	Section 001	LEC	MWF 1200 - 1320
CRN: 15368	Section 002	LEC	MWF 1000 - 1120
CRN: 16619	Section 003	LEC	MWF 830 - 950

Instructor(s): Tom Dick

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

**Course Fee \$10. Satisfies: HC BaccCore - Mathematics****MUS 102H**      **History of Rock @ Roll**

3 HC Credit(s)

CRN: 13877	Section 001	LEC	MWF 1200 - 1250
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Instructor(s): Ryan Biesack

This survey is a selected examination and study of musical and social events that have occurred in popular culture over a period of roughly the past 50 years, and what has come to be known generally as “Rock” music. The survey will begin its journey looking at the 1950s and the beginnings of Rock music and conclude with the Rock culture of today. The term “Rock” music will be used as an umbrella or generic term to cover the many variations of popular music that fall under its reach: Motown, Soul, R&B, Disco, Acid Rock, Death Metal, Thrash Metal, Punk Rock, Indy Rock, Grunge, etc.. As there are numerous artists and performers who have contributed to Rock music, this survey will focus on a selected group who have significantly changed, or illustrate the change, in Rock music. This course will examine some of the pinnacle recordings, repertoire, artists, concerts, performances, and events to provide insight and meaning as to “how” and “what” this music was changing within pop culture in a historical and social context. By examining different works of Rock music, we can hope to extrapolate broader meaning and understanding of these events in an overarching sense relative to recent history. This course will also examine how Rock music has functioned as a vehicle for commentary on everything from sex to religion to politics, and how this music continues to be a relevant and ever changing vehicle in the present day. **Satisfies: HC BaccCore - Literature and the Arts**

**PAC 293H**      **Interdisciplinary Yoga: Earthing**

1 HC Credit(s)

CRN: 17074	Section 001	ACT	F 1500 - 1850
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**Meets weeks 1-5 only**

Instructor(s): Tsipora Claudia Berman

Take Yoga outdoors! Get out of the lab or the office, off the computer or phone, away from your daily tasks, and take a yoga/breathing/walking break exploring the campus in a new way with yoga investigations. Join in a multi-sensory, interdisciplinary, multicultural, yoga experience using the OSU campus and surrounding parks as the classroom, including visits to meditation rooms at cultural centers throughout campus. Rejuvenate and renew with gentle to moderate walking, incorporating environmental education, mindfulness practices, Neuroscience, and Earthing/Nature healing including reflection, walking meditation, postures that stretch, strengthen, and balance your mind/body into your daily routine. Learn how you can use curbs, trees, stairs, chairs and benches for yoga. Explore the outdoors with a new perspective to help bring clarity every time you step outside with a heightened awareness of the present moment. Yoga is one of the oldest systems for personal development in the world, encompassing body, mind and spirit. Meets weeks 1-5 only. **Course Fee: \$49. Satisfies: HC BaccCore - Fitness**

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

1 HC Credit(s)

CRN: 18087

Section 001

ACT

Th 1100 - 1250

Required all-day field trip Saturday 11/16/19

Instructor(s): Sheila Evans

Crunch! Ugh... 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. This course covers the fundamentals of emergency care in a non-urban environment, including physiology, injury assessment, short term care, anatomy, and small group rescues. While much of the material appears to be standard emergency care information, the backcountry emphasis with long-term care and evacuation complications makes this course unique. Required field trip Saturday 11/16/19. **Course Fee: \$167 Satisfies: HC BaccCore - Fitness**

**PH 212H****General Physics with Calculus**

4 HC Credit(s)

CRN: 19998

Section 001

LEC

MWF 1300 - 1350

Henri Jansen

**AND choose one lab section**

CRN: 19999

Section 010

LAB

T 1600 - 1750

Henri Jansen

CRN: 20000

Section 020

LAB

R 800 - 950

Henri Jansen

A comprehensive introductory survey course intended primarily for students in the sciences and engineering. Topics include mechanics, wave motion, thermal physics, electromagnetism, and optics. Elementary calculus is used. PREREQS: PH 211/211H. **Satisfies: HC BaccCore - Physical Sciences**

**PHL 205H****Ethics**

4 HC Credit(s)

CRN: 19641

Section 001

LEC

TR 1200 - 1350

Instructor(s): Stephanie Jenkins

Introduction to ethical theory and to the evaluation of ethical issues in society such as sexual ethics and euthanasia. Includes the study of philosophical theories of moral responsibility and moral virtue, and the philosophical ideas behind ethics debates in society. Students are encouraged to develop their own positions on ethical issues through discussion projects and term papers. **Satisfies: HC BaccCore - Western Culture**

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

4 HC Credit(s)

**REL 444H****Choose either the PHL 444H section OR the REL 444H section**

PHL 444H CRN: 14296

Section 001

LEC

MW 1200 - 1350

REL 444H CRN: 16303

Section 001

LEC

MW 1200 - 1350

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. **Satisfies: HC BaccCore - Science, Technology, Society**

**WGSS 440H Women and Natural Resources**

3 HC Credit(s)

CRN: 20261      Section 001      LEC      TR 1000 - 1120

Instructor(s): Susan Bernardin

This class broadly examines the relationship between gender, culture, power, and the environment. The course begins by asking how nature has been gendered and racialized, while also defining “natural resources” through conflicting worldviews, including Western and Indigenous epistemologies. Our course readings, drawn from multiple disciplines, will especially focus on contemporary environmental issues in regional, national, and international communities. Recent intense conflicts in the United States around fracking, climate change, and pipelines will help us understand how conflicts over the environment are shaped by intersections of (and ideas about) gender, race, place, ethnicity, and class. Global case studies of women’s transformational agency in resource use and management (Chipko in India; Green Belt Movement in Kenya) will ensure we are attentive to transnational questions of culture, identity, region and history. We will examine the structural inequalities that have often kept women from decision-making in the management, protection, and conservation of natural resources in the United States. At the same time, we will demonstrate women’s longstanding work in fisheries, forestry, energy, and agriculture. **Satisfies: HC BaccCore - Science, Technology, Society**

**WR 121H English Composition**

3 HC Credit(s)

*WR 121H is not restricted by last name**Choose one lecture section*

CRN: 16405	Section 001	LEC	TTh 830 - 950	Rob Drummond
CRN: 17075	Section 002	LEC	MWF 900 - 950	Liz Delf
CRN: 18091	Section 003	LEC	MWF 1500 - 1550	Liz Delf

Instructor(s): Rob Drummond

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**

**WR 327H Technical Writing**

3 HC Credit(s)

CRN: 19640      Section 001      LEC      MWF 1600 - 1650

Instructor(s): Emily Elbom

Continued practice in writing with an emphasis on the rhetorical and critical thinking demands of writers in scientific and technological fields. PREREQS: WR 121/121H. Minimum of sophomore standing required. **Satisfies: HC BaccCore Writing II**

## Fall 2019 Honors Colloquia Options

### **ENSC 407H / HC 407**      **Introduction to Traditional Ecological Knowledge**      2 HC Credit(s)

*Choose either the ENSC 407H section or the HC 407 section*

ENSC 407H CRN: 18797    Section 400    SEM    online

HC 407 CRN: 18796    Section 401    SEM    online

Instructor(s): Samantha Chisholm 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. ***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](http://ecampus.oregonstate.edu/services/tuition). Satisfies: HC Colloquia***

### **FILM 399H**      **Film Censorship: 1896-2019**      2 HC Credit(s)

CRN: 19627      Section 001      SEM      T 1600 - 1850

**Meets weeks 1-5 only**

Instructor(s): Jon Lewis

This course will survey films that, for one reason or another, raised problems for film industry censors. The screenings will begin with a Fatty Arbuckle short, The Knockout (co-starring a very young Charlie Chaplin), released in 1914. Subsequent screenings feature works from the so-called "pre-Code era" (1930-1934), followed by films that emerged from within the battleground of cold-war Hollywood (1947-1955), and end with a selection from the post-rating system era. Course readings will be selected from a variety of books on the subject. Meets weeks 1-5 only. **Satisfies: HC Colloquia**

### **HC 299**      **Farside Entomology**      2 HC Credit(s)

CRN: 14380      Section 001      SEM      W 1800 - 1950

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. 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 - Culture**      1 HC Credit(s)

CRN: 17613      Section 002      SEM      Th 1400 - 1550  
*Meets weeks 6-10 only*

Instructor(s): David Kovac

The Building Hope program features one colloquium each term that's focused on a different aspect of international service learning, as well as an optional international service learning trip during spring or summer break. The goals of the overall program are to help students gain an appreciation and understanding of the complexities of service work in international communities while encouraging students to consider "internationalizing" their academic coursework or Honors Thesis. This particular colloquium focus on the concept of culture – interpreting the cultural contexts and consequences of international service strategies, programs, and projects. The colloquia for other terms focus on team skills and impact of service learning. The colloquia can be taken at any time and do not need to be taken as a series or in any particular order. Meets weeks 6-10 only. **Satisfies: HC Colloquia**

**HC 407**      **Writing About Music**      2 HC Credit(s)

CRN: 17166      Section 001      SEM      MW 1200 - 1250

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**      2 HC Credit(s)

CRN: 16315      Section 002      SEM      T 1400 - 1550

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**

2 HC Credit(s)

CRN: 14628 Section 003 SEM M 1000 - 1150

Instructor(s): Don Johnson

This is why we are here. It makes sense to assume that people who possess a strong sense of personal wellbeing, and a perspective of optimism, are likely to create/support leadership solutions that have lasting effectiveness and support the wellbeing of others. Leadership is the creation of a solution to something. The solution could focus on anything from leading the development of a community event to addressing health care in developing countries. Positive psychology is "the scientific study of what makes life most worth living, using a perspective of optimism and wellbeing as expressed in the PERMA Theory developed by Marty Seligman at the University of Pennsylvania. We will study the PERMA Theory and use its elements as a foundation for creating leadership solutions in a series of actual Case Studies. Your work is about thinking and thinking creatively. You will have one homework assignment, which is a research paper due at the beginning of finals week. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407 Circular Economy: Design Framework for a Responsible Future** 1 HC Credit(s)

CRN: 19628 Section 004 SEM W 1100 - 1150

Instructor(s): Shanna Ruyle

If you could choose between a product that would end up in the landfill or one that could be remanufactured infinitely, what would you choose? If the idea of infinitely cycled products inspires you and the world you'd like a hand in creating, Circular Economy is a step in the right direction—come experience how each of us could help make it a reality. Learn to use method-based tools that can help you discover where we can best influence and create change for a product, service or business model. Use creativity-based approaches to imagine radically new solutions for a challenge you see—or a product you wish could be designed more responsibly. Explore key concepts and how your future roles and interests relate. Interact with people around the globe who are exploring how to make products and services with the Circular Economy in mind—during the annual online Disruptive Innovation Festival. (You might even present or discuss your own ideas, if you so choose). Take your ideas beyond the classroom to create a project, presentation or creative endeavor to inspire yourself (and perhaps, others). **Graded: P/N. Satisfies: HC Colloquia**

**HC 407 Race and Science** 2 HC Credit(s)

CRN: 17168 Section 005 SEM Th 1000 - 1150

Instructor(s): Thomas Bahde

Until the mid-20th century, many scientists believed that scientific determinations of race difference justified discrimination and racism, and we still live with the 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 18th 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, especially within the United States. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407                      Art of Science / Science of Art**

1 HC Credit(s)

CRN: 14629                      Section 006                      SEM                      Th 1000 - 1050

Instructor(s): Randy 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.   **Graded:**

**P/N. Satisfies: HC Colloquia****HC 407                      American Identity in the World**

2 HC Credit(s)

CRN: 16298                      Section 007                      SEM                      MW 900 - 950

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**

1 HC Credit(s)

CRN: 14630                      Section 008                      SEM                      T 1300 - 1350

Instructor(s): Randy 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? **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      *The Truth is Out There: The Rise of Conspiracy Theories*      2 HC Credit(s)**

CRN: 19629      Section 009      SEM      Th 1200 - 1350

Instructor(s): Rob Drummond

According to a recent study cited in the Washington Post, more than 50% of Americans believe in at least one conspiracy theory. Why this is true, and how it currently shapes much of our cultural and political landscape, will be our focus in this course. We will pose ourselves not as conspiracy theorists but as conspiracy analysts (to paraphrase Gore Vidal), investigating humankind's fascination with sinister plots and paranoid fantasies past and present. As we seek patterns across conspiracies, we'll consider the almost-true and the wildly outrageous alike, and ask ourselves when conspiracy theories stop being fun and start feeling dangerous. Our term-long goal will be to make connections, define common traits, and explore what makes conditions ripe for conspiracy theorists to run rampant. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      *Climate Change and Its Challenges: Responding with Resilience in Community*      2 HC Credit(s)**

CRN: 17169      Section 010      SEM      Th 800 - 950

Field trip during class hours, alternative assignment available for students unable to attend the trip

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, field experiences, readings, and group reflections. Field trip during class hours, alternative assignment available for students unable to attend the trip. **Course Fee: \$4. Graded: P/N. Satisfies: HC Colloquia**

**HC 407      *Exploring the Oceans, Then and Now*      1 HC Credit(s)**

CRN: 18368      Section 012      SEM      T 1200 - 1250

Instructor(s): Holly Campbell

This course explores the exciting evolution of interdisciplinary oceanography. Focusing on the past century, 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 will share their perspectives. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407      *Drug Abuse and Misuse: a Global Perspective*      2 HC Credit(s)**

CRN: 16300      Section 013      SEM      M 1600 - 1750

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 in selected countries in comparison with the United States. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**                      **Contemporary Questions**                      2 HC Credit(s)

CRN: 19630                      Section 014                      SEM                      W 1400 - 1550

Instructor(s): Don Johnson

The intent of this seminar is to engage in practical conversations around significant current news events from a local and world perspective. Topics discussed will be based on the content of current news acquired from a variety of sources and philosophical perspectives. In addition to content, you will examine the nature of your individual news sources, the driving philosophies behind the sources, and basis for selecting news sources. A portion of each class will be dedicated to discussing events from the current week, and the second half of class will focus on various topics in greater detail. The class will consist of subgroups of three, to study in further depth identified topics. Students will maintain term long journal regarding their personal thinking on topics reviewed. Examination of current events and social issues through the lens of various news sources. Laptops suggested for each class for data mining. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**                      **Exploring Business and History through Board Games**                      2 HC Credit(s)

CRN: 19631                      Section 015                      SEM                      Th 1600 - 1750

Instructor(s): Dennis Adams

What can board games teach us about human interaction throughout time? Let's find out! In this class we will explore the economic and historical themes of various Euro-style board games by playing a different easy-to-learn game each week in class. We'll alternately educate, learn from, impress, and oppress (as games occasionally demand) each other, all in a spirit of mutual respect and curious exploration. The class is intended to be fun, but we'll consider some big questions: How is commerce influenced by human attitudes toward scarcity, status, tribe, altruism, or liberty? What is the relationship between commerce and violence? Under what conditions is commerce good? Students should expect self-directed research, informal presentations, playful debate, and reflective writing. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**                      **Humanizing the Cosmos**                      1 HC Credit(s)

CRN: 16301                      Section 016                      SEM                      M 1500 - 1550

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**                      1 HC Credit(s)

CRN: 15850                      Section 017                      SEM                      Th 1300 - 1350

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**      ***Fur, Feathers and Fire: Wildlife Persistence in Fire-Prone Forests***      1 HC Credit(s)

CRN: 19632      Section 018      SEM      Th 1700 - 1750  
*Meets weeks 1-5 only*  
*Required all day field trip 10/12/19*

Instructor(s): Brenda McComb

We will visit sites of past wildfires and prescribed fires in the Oregon Cascades and discuss the effects of these fires on birds and mammals. Discussions in the field and in the classroom will be enhanced by each student's research into effects of fire on a species of their choice. Required all day field trip 10/12/19. Meets weeks 1-5 only. **Course Fee: \$9.**  
**Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      ***Science of Science Fiction***      1 HC Credit(s)

CRN: 16574      Section 019      SEM      T 1000 - 1050

Instructor(s): Randy 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 SciFi authors' heads in the first place? Discussion and viewing 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. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      ***Have Rocket Will Travel***      2 HC Credit(s)

CRN: 17170      Section 020      SEM      T 1000 - 1150

Instructor(s): Stephen Atkinson

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, US space program (Apollo, Shuttle, SLS) 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/art backgrounds are most welcome! We will meet face-to-face for a single, one hour fifty minute session each week. A typical class will involve a seminar on the weekly topic, student presentations, group discussions and hands-on art-centric tutorial and activities. At least two weeks will include out-of-classroom learning experiences including a Space Walk scales of the solar system field walk, and visit/presentations with the OSU AIAA rocketry lab on campus. Assessment will be through online quizzes and creative assignments that include: short oral presentations, introductory art activities using different media, and note-taking in your class journal (provided), with 2D and 3D creative projects. There will be no mid- or final- exams, but participants will have to submit a class journal and their 2D and 3D creations for grading. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      ***Vampires, Race, and Gender***      2 HC Credit(s)

CRN: 18082      Section 021      SEM      MW 1600 - 1650

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 create a final poster on a topic related to these issues, to be shared in a "poster-session" with the class. **Satisfies: HC Colloquia**

**HC 407                      Exploring History Through the Graphic Novel                      2 HC Credit(s)**

CRN: 17502                      Section 022                      SEM                      T 1700 - 1850

Instructor(s): Andrea Marks

This class uses the graphic novel as a means to explore various cultures and histories. We will examine both the visual style of the graphic novel, the writing and narrative content. A variety of narrative structures and visual styles, reading modes, related to comics/graphic novels will be explored and the book *Understanding Comics* will be used as the macro guidebook in learning vocabulary and concepts of visual narrative. Typically, students read 7 graphic novels over the course of the term, with each weekly meeting used for lively discussion about the book and the historical topic at large.

**Graded: P/N. Satisfies: HC Colloquia****HC 407                      Imaging the American West                      2 HC Credit(s)**

CRN: 19633                      Section 023                      SEM                      W 1000 - 1150

Instructor(s): John Campbell

Images of the American West are formative in American and, to some extent, world culture. The Western landscape has been portrayed as iconic: a stage on which cultural constructions of individualism, gender, empire, otherness, and nature are graphically enacted. Western peoples, similarly, have often been presented as archetypes (or as stereotypes), representative of American myths, fears, and ideals. In this course, we will explore images of the West—paintings, photographs, and Western films—and their implications for contemporary culture and identity. As an integral part of this exploration, we will create original images in order to experience the power of visual depiction in a landscape context. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407                      “One Smalle Ladleful:” Poetry of Hunger                      1 HC Credit(s)**CRN: 19634                      Section 024                      SEM                      T 1200 - 1350  
*Meets weeks 1-5 only*

Instructor(s): Stella Coakley &amp; Hiram Larew

This class is designed to increase awareness by both the students and the faculty about poetry’s response to local and worldwide hunger. Beginning with a scan of the hunger landscape that includes facts, history and culture, the class will then consider how an art-form that is often considered contemplative, introspective, even shy – namely, poetry – may be powerfully brought to bear. Included will be introductions to and reflections on active hunger organizations. Students will also search for and discuss poetry about historic famines, about fasting, and about current hunger in the U.S. In addition to writing relevant poetry, students will plan/describe an outreach activity that involves poetry in service to the fight against hunger. The overall goal is to finish the class as an opening -- with a enlivened sense of what can be done using available poetry tools, with a respect for the many questions that will remain unanswered, and most of all, with a desire to keep going. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407                      Science, Ethics and Star Trek                      1 HC Credit(s)**

CRN: 19635                      Section 025                      SEM                      Th 1400 - 1450

Instructor(s): Diana Rohlman

“What you're doing isn't self-defense. It's the exploitation of another species for your own benefit. My people decided a long time ago that that was unacceptable, even in the name of scientific progress.” Captain Kathryn Janeway. To this day, while we have the ability to clone animals (and therefore humans), the ethical and moral ramifications have tempered many scientific advances. The fictional universe of *Star Trek* often explores the nexus of advanced technologies and the resultant ethical considerations. This class will use episodes from the *Star Trek* universe, paired with real-life case studies to delve into the seen and unforeseen consequences of advanced technologies. Examples include experimental surgical techniques, genetic engineering, cloning, artificial intelligence and environmental regulations. **Satisfies: HC Colloquia**

**HC 407**      **Sex and Gender in the Archives**      2 HC Credit(s)

CRN: 19636      Section 026      SEM      M 1400 - 1550  
 All day Saturday field trip date TBD  
 Alternative assignment available for students  
 unable to attend the trip.

Instructor(s): Bradley Boovy

In this colloquium you will conduct original archival research on topics related to gender and sexuality, aspects of people's life experience that are often hidden from plain view in historical records. You will learn how to identify, obtain, and review primary sources and formulate an original research question based on your research. You will also learn how to apply these skills in your field of study. **Course Fee: \$9. Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      **Understanding the Robotics Revolution**      2 HC Credit(s)

CRN: 19637      Section 028      SEM      TTh 1100 - 1150

Instructor(s): William Smart & Cindy Grimm

The robots are coming! Should we be excited or worried? Should we fear our new metal overlords, or welcome them with open arms? This class will introduce students with no technical background to the underlying technologies that robots rely on. Students will learn about sensors (how robots see the world), actuators (how they affect the world), artificial intelligence (how they make decisions about what to do), and a range of other technologies used in robotics. They will also learn to think critically about the practical limitations of these technologies, and how these limitations affect the kinds of tasks that robots can do now, and will do in the future. At the end of the course, students will be able to evaluate the benefits and risks of this new emerging technology in a balanced way, based on a deep understanding of what's going on "under the hood", rather than based on the hype that often surrounds robotics. Students will experiment with various sensor, actuator, and AI technologies, to get a practical understanding of what's going on, in addition to the more traditional coverage in the lecture material. They will collaborate to design, implement, and test their own series of guided experiments that other learners, outside of the class, will be able to use as they explore these new technologies. The ultimate goal of this class is for the students to collaborate on a set of learning materials that we will make available free of charge on a web site, for those interested in learning more about the coming robotics revolution in a non-technical way that still preserves the essence of what these technologies actually do. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      **Shakespeare via Ashland**      1 HC Credit(s)

CRN: 16588      Section 030      SEM      Pre-trip meeting W 10/2/19 at 1600 - 1650  
 3-day field trip 10/18/19 - 10/20/19  
 Post-trip meeting W 10/30/19 at 1600-1650

Instructor(s): Eric Hill

The course requires attendance at an organizational meeting (10/2/19), a three-day field trip (10/18/19 - 10/20/19), and one discussion meeting (10/30/19). 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 (10/18/19) 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 (10/20/19) at 10:00am (following breakfast). Course fee 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. Pre-trip meeting: W 10/2/19 at 1600-1650; 3-day field trip: 10/18/19 - 10/20/19; Post-trip meeting: W 10/30/19 at 1600-1650. **Course Fee: \$268.** Fee non-refundable if not dropped by the first day of the term. **Graded: P/N. Satisfies: HC Colloquia**



**HC 407*****Robots and Romance***

2 HC Credit(s)

CRN: 15187

Section 031

SEM

W 1600 - 1850

Meets weeks 1-7 and has online content weeks 8-10

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 1-7 and has online content weeks 8-10. **Graded: P/N. Satisfies: HC Colloquia**

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

1 HC Credit(s)

CRN: 18239

Section 032

SEM

F 1200 - 1350

Meets weeks 6-10 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 6-10 only. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407*****Adaptation for the Stage***

2 HC Credit(s)

CRN: 18240

Section 033

SEM

MW 1300 - 1350

Instructor(s): Elizabeth Helman

This course is a hands-on workshop where students will develop existing literary material for the stage. Students will explore the basic elements of creating "stageable" dramatic works including characterization, structure, conflict, perspective, setting, and plot. Projects include the development of several short adaptations based on class prompts, the adaptation of a historical account, an adaptation of the student's choosing, and participation in a class showcase. In this setting students will read and critique each other's work and participate in an editing process. **Satisfies: HC Colloquia**

**HC 407**      ***Disruptive Innovation: Can we disrupt from within?***      1 HC Credit(s)

CRN: 17503      Section 034      SEM      M 1400 - 1550  
**Meets weeks 6-10 only**

Instructor(s): Dave King

Creativity and innovation are the foundation of virtually all new and successful ideas. However, truly disruptive innovation—ideas that alter the status quo and take us in a new direction—requires some understanding of what is disruptive (and what is not) and how to harness it. Working from the basic disruptive innovation concepts developed by Clayton Christensen of the Harvard Business School, this seminar takes a hands-on approach to developing ideas that will actually change things. Meets weeks 6-10 only. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      ***Da Vinci 101***      2 HC Credit(s)

CRN: 20018      Section 035      SEM      F 1000 - 1150

Instructor(s): Mazdak Shadkam

“Leonardo [da Vinci] fused science and art to create works that have become part of humanity’s history.”

Walter Isaacson

How about we get together and try to fuse science and art ourselves? How about us, students - a group of diverse thinkers, starting to brainstorm and building through alternative and creative ways of thinking by getting our hands dirty. What if we learn how to utilize observation, imagination and discipline as powerful tools in the way that da Vinci did, to become the Renaissance man. I offer you to enroll in a playful course full of hands-on experiences called Da Vinci 101 in the Fall of 2019. If interested, please join me in empowering our thinking and creativity; the goal is to decipher our latent multidisciplinary capabilities in our educational and professional path. **Graded: P/N. Satisfies: HC Colloquia**

**HC 407**      ***Marie Curie: A Woman of Science in 1900 Paris***      2 HC Credit(s)

CRN: 20019      Section 036      SEM      W 800 - 950

Instructor(s): Joseph Krause

The aim of this colloquium is firstly to acknowledge Marie Curie’s contribution to science. But in approachable non-scientific terms, namely from the perspective of her own daily life, one quite removed from the legends that have surrounded her. Secondly, the purpose of this colloquium is to situate Marie Curie in 1900 Paris to which she was drawn from her native Poland because it was a republican citadel where higher education for women was possible and where scientific exploration overlapped with artistic creation. **Satisfies: HC Colloquia**

**HC 407**      ***Imaging the Universe***      1 HC Credit(s)

CRN: 20471      Section 038      SEM      Th 1500 - 1550

Instructor(s): Tom Carrico

Astrophotography will be the focal point for discovering the entire spectrum of the universe. Using your own camera (anything will work other than a smart phone camera) you will image the universe from a dark site near campus. Instruction will be given on how to process the images using software available for free. Your images will be used along with data from other sources like larger optical telescopes, radio telescopes, x-ray among others to reveal all the universe has to offer. We will also connect to a remote controlled telescope to image the sky and complement the data you collect with your camera. We will be taking at least one short field trip on a clear evening to take astrophotos near campus (day/time flexible with alternative options based on your schedule). Another evening will be dedicated to using the remote telescope. If you have a DSLR or point and shoot camera you have everything you need. If not, we can make arrangements to borrow a suitable camera. **Graded P/N. Satisfies: HC Colloquia**

**HC 407 /  
ENSC 407H****Introduction to Traditional Ecological Knowledge**

2 HC Credit(s)

*Choose either the ENSC 407H section or the HC 407 section*

ENSC 407H CRN: 18797    Section 400    SEM    online

HC 407 CRN: 18796    Section 401    SEM    online

Instructor(s): Samantha Chisholm 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. ***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](http://ecampus.oregonstate.edu/services/tuition). Satisfies: HC Colloquia***

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

1 HC Credit(s)

CRN: 18088    Section 001    SEM    F 1400 - 1450

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. We will explore these issues through a series of readings through books and journal articles. Students will be asked to complete three mini-research projects on which their grade is based. **Satisfies: HC Colloquia**

## Fall 2019 Honors Elective Options

<b>BA 160H</b>	<b>B-Engaged</b>			2 HC Credit(s)
CRN: 16580	Section 019	REC	F 0900 - 0950	Sandra Neubaum
			<b><u>AND choose one lecture section</u></b>	
CRN: 16581	Section 010	LEC	MW 1200 - 1250	Marcella Flores
CRN: 16583	Section 012	LEC	MW 1300 - 1350	Marcella Flores
CRN: 17201	Section 014	LEC	TTh 1200 - 1250	Amy Newman
CRN: 18067	Section 016	LEC	TTh 1300 - 1350	Amy Newman

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. Recitation is common with non-honors (Recitation in this case is the main large meeting and the lectures are the small breakouts). This course is shared with a section for COB Dean's Academy students. ***There will be multiple other lecture sections for this class listed online – Honors students should register for section 019 and choose either section 010, 012, 014, or 016.*** 2 out of the 3 OSU credits earned will count toward Honors College requirements.

RESTRICTIONS: For Business majors/minors only. **Satisfies: HC Elective**

<b>BA 211H</b>	<b>Financial Accounting</b>			4 HC Credit(s)
CRN: 17059	Section 001	LEC	MW 1200 - 1350	
Instructor(s): Terrence Blackburne				

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. ***There will be two sections of this class listed online – Honors students should register only 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. Sophomore standing required.

**Satisfies: HC Elective**

<b>BA 281H</b>	<b>Professional Development</b>			3 HC Credit(s)
CRN: 18770	Section 001	LEC	TTh 800 - 920	
Instructor(s): Amy Neuman				

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. ***There will be two sections of this class listed online – Honors students should register only for section 001.*** PREREQS: (BA 101 and BA 280) or BA 162. RESTRICTIONS: For Business majors/minors only. Minimum of sophomore standing required. Must be taken concurrently with BA 282.

**Satisfies: HC Elective**

**BA 347H International Business** 4 HC Credit(s)

CRN: 18070 Section 001 LEC TTh 1200 - 1350

Instructor(s): Rick Wascher

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. **There will be two sections of this class listed online – Honors students should register only for section 001.** PREREQS: ECON 202/202H. RESTRICTIONS: Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

**BA 375H Applied Quantitative Methods** 4 HC Credit(s)

CRN: 18072 Section 001 LEC TTh 1000 - 1150

Instructor(s): Andrew 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. **There will be two sections of this class listed online – Honors students should register only for section 001.** PREREQS: BA 275. Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

**BI 445H Evolution** 3 HC Credit(s)

CRN: 18871 Section 001 LEC TTh 1400 - 1520

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 CHE, BIOE and ENVE Orientation** 2 HC Credit(s)*Register for lecture, recitation, AND lab*

CRN: 13721 Section 001 LEC M 1800 - 1850

CRN: 13722 Section 010 REC F 1500 - 1650

CRN: 13723 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. 2 out of the 3 OSU credits earned count toward Honors College requirements. **Satisfies: HC Elective**

**CBEE 211H****Material Balances and Stoichiometry**

1 HC Credit(s)

*Register for lecture, recitation, AND studio*

CRN: 15217	Section 001	LEC	MF 1200 - 1250
CRN: 15218	Section 010	REC	W 1200 - 1250
CRN: 15219	Section 011	STD	W 1400 - 1450

Instructor(s): Kostas Goulas &amp; Adam Lambert

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 out 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 361H****Experimental Chemistry I**

3 HC Credit(s)

CRN: 12117	Section 001	LEC	M 1500-1550
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*AND choose one lab section*

CRN: 12118	Section 011	LAB	TTh 800-1120
CRN: 12120	Section 012	LAB	TTh 1300-1650
CRN: 20003	Section 013	LAB	WF 1200-1520

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). **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 251/2 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)

*Register for lecture AND lab*

CRN: 12365	Section 001	LEC	TTh 1200 - 1320
CRN: 12391	Section 010	LAB	T 1300-1550 & Th 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. **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)

*Register for lecture AND lab*

CRN: 12121	Section 001	LEC	M 1300 - 1350
CRN: 12366	Section 011	LAB	M 1400-1650 & W 1300-1650

Instructor(s): Christine Pastorek

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* 1 HC Credit(s)

*Register for lecture AND recitation*

CRN: 15232	Section 001	LEC	MWF 1000 - 1050
CRN: 15233	Section 010	REC	MF 1300 - 1350

Instructor(s): Tala Navab-Daneshmand

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: For Engineering majors/minors only. **Satisfies: HC Elective**

## CS 160H *Computer Science Orientation* 3 HC Credit(s)

*Register for lecture AND lab*

CRN: 18731	Section 001	LEC	MW 1100 - 1150
CRN: 18756	Section 010	LAB	F 1000 - 1150

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. **Satisfies: HC Elective**

## CS 321H *Introduction to Theory of Computation* 3 HC Credit(s)

CRN: 18658	Section 001	LEC	MWF 1400 - 1450
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Instructor(s): Julianne Schutfort

Survey of models of computation including finite automata, formal grammars, and Turing machines. PREREQS: CS 261 and (CS 225 or MTH 231). RESTRICTIONS: For Engineering majors/minors only. Not for Computer Science Double Degree students. **Satisfies: HC Elective**

**DSGN 341H      Design Thinking and Process Innovation**

4 HC Credit(s)

CRN: 18598      Section 001      LEC      TTh 1400 - 1550

Instructor(s): Gaurang Desai

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. **There will be two sections of this class listed online – Honors students should register only for section 001.** RESTRICTIONS: For Apparel Design and Merchandising Management students only. Minimum of junior standing required. **Satisfies: HC Elective**

**ENGR 201H      Electrical Fundamentals**

3 HC Credit(s)

*Register for lecture AND lab*

CRN: 18480      Section 001      LEC      TTh 1600 - 1650

CRN: 18481      Section 010      LAB      Th 1200 - 1350

Instructor(s): Matt 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. RESTRICTIONS: For Engineering and Forestry students only. **Satisfies: HC Elective**

**ENGR 211H      Statics**

3 HC Credit(s)

*Register for lecture AND recitation*

CRN: 17532      Section 001      LEC      MW 1600 - 1650

CRN: 17533      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: For Engineering, Pre-Engineering, Forestry, and Pre-Forestry students only. **Satisfies: HC Elective**

**HC 409      Civic Engagement**

1 HC Credit(s)

CRN: 14726      Section 005      PRAC

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 prior to the start of the term.

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



**HC 409 Professional @ Career Development**

1 HC Credit(s)

CRN: 20040      Section 006      HYB      T 1400 - 1520  
*Meets weeks 3 & 7 only*

Instructor(s): LeeAnn Baker & Nathan Petitti

This professional and career development course is designed to increase your awareness of skills necessary for a successful life after college. We will work together to create a customized development plan focused on your strengths and weaknesses with an aim to achieve your development goal. We will give you the fundamentals and you will practice these skills with your classmates and the larger community. Part of the course will include attending professional development and career events. This course is for anyone who hopes to have a smooth transition to adulthood! Meets weeks 3 & 7 only. **Graded: P/N. Satisfies: HC Elective**

**HC 409 Conversants**

1 HC Credit(s)

CRN: 11259      Section 007      PRAC

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 002 HC Peer Mentor Program**

0-1 HC Credit(s)

*Choose one section*

1 Credit      HC 409      CRN: 16302      Section 009      PRAC      M 1700 - 1750

0 Credits      HC 002      CRN: 20293      Section 001      Ind. Stu.      M 1700 - 1750

1 Credit      HC 409      CRN: 16427      Section 010      PRAC      T 1300 - 1350

0 Credits      HC 002      CRN: 20294      Section 002      Ind. Stu.      T 1300 - 1350

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**

**MATS 321H Introduction to Materials Science** 4 HC Credit(s)

CRN: 20229 Section 001 LEC TTh 1200 - 1350

Instructor(s): David Cann

Crystal structure, microstructure, and physical properties of metals, ceramics, polymers, composites, and amorphous materials. Also includes elementary mechanical behavior and phase equilibria. PREREQS: CH 202 or CH 222 or CH 232/232H or CH 224H). RESTRICTIONS: For Engineering majors/minors only. For Electrical & Computer Engineering, Chemical Engineering, Manufacturing Engineering, Mechanical Engineering, Industrial Engineering, Nuclear Engineering, and Materials Science students only. **Satisfies: HC Elective**

**ME 382H Introduction to Design** 1 HC Credit(s)*Register for lecture AND lab*

CRN: 14294 Section 001 LEC MWF 1200 - 1250

CRN: 14295 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 out of the 4 OSU credits earned counts toward Honors College requirements. PREREQS: ENGR 248 and ME 250. ME 250 can be taken concurrently. RESTRICTIONS: Engineering Physics, Manufacturing Engineering, Mechanical Engineering, Industrial Engineering, and Nuclear Engineering majors/minors only. ME 316 is recommended. **Satisfies: HC Elective**

**ME/NSE 332H Heat Transfer** 4 HC Credit(s)*Choose the ME 332H section OR the NSE 332H section (see description for which major should register for which section)*

ME 332H CRN: 20230 Section 001 LEC TTh 1000 - 1150

NSE 332H CRN: 20232 Section 001 LEC TTh 1000 - 1150

Instructor(s): Deb Pence

A treatment of conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. Crosslisted with NSE 332H. PREREQS: (MTH 256/256H and ENGR 212/212H) and (ME 311/311H or NE 311/311H or NSE 311/311H) and (ME 331/331H or NE 331/331H or NSE 331/331H). RESTRICTIONS: Mechanical Engineering, Industrial Engineering, and Nuclear Engineering majors/minors only. Mechanical Engineering and Industrial Engineering majors/minors should register for the ME 332H section. Nuclear Engineering majors/minors should register for the NSE 332H section. **Satisfies: HC Elective**

**MIME 101H Introduction to MIME** 3 HC Credit(s)

CRN: 16585 Section 001 LEC MW 1400 - 1450

*AND choose one recitation section*

CRN: 18864 Section 010 REC F 1200 - 1350

CRN: 18865 Section 011 REC F 1400 - 1550

Instructor(s): Nordica MacCarty &amp; David Nembhard

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 252H**      **Integral Calculus**      4 HC Credit(s)*MTH 252H does not have a recitation – that hour is built into the lecture*

CRN: 15158      Section 002      LEC      MWF 1000 - 1120

Instructor(s): Hoewoon Kim

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 section**MTH 254H does not have a recitation – that hour is built into the lecture*

CRN: 12123      Section 001      LEC      MF 1400-1450 &amp; W 1400-1550      Enrique Thomann

CRN: 13770      Section 002      LEC      MWF 1600 - 1720      David Wing

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****NSE/ME 332H**      **Heat Transfer**      4 HC Credit(s)*Choose the ME 332H section OR the NSE 332H section (see description for which major should register for which section)*

ME 332H CRN: 20230      Section 001      LEC      TTh 1000 - 1150

NSE 332H CRN: 20232      Section 001      LEC      TTh 1000 - 1150

Instructor(s): Deb Pence

A treatment of conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties. PREREQS: (MTH 256/256H and ENGR 212/212H) and (ME 311/311H or NE 311/311H or NSE 311/311H) and (ME 331/331H or NE 331/331H or NSE 331/331H). RESTRICTIONS: Must be enrolled in Pro-School in the College of Engineering. Mechanical Engineering and Industrial Engineering majors/minors should register for the ME 332H section. Nuclear Engineering majors/minors should register for the NSE 332H section. **Satisfies: HC Elective**

**PH 221H**      **Recitation for Physics 211**      1 HC Credit(s)

CRN: 13017      Section 001      REC      T 1100 - 1150

Instructor(s): Guenter Schneider

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 211/211H. **Graded: P/N. Satisfies: HC Elective**

**PH 222H**      **Recitation for Physics 212**      1 HC Credit(s)*Choose one section*

CRN: 12124	Section 001	REC	Th 1400 - 1450	David McIntyre
CRN: 20235	Section 002	REC	Th 1100 - 1150	Bo Sun

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 212/212H. **Graded: P/N. Satisfies: HC Elective**

**PSY 399H**      **The Neuroscience Toolbox: Diverse Methods to Study Brain Structure and Function**      4 HC Credit(s)

CRN: 19643	Section 001	LEC	TR 1000 - 1150
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Instructor(s): Anita Cservenka

Have you wondered about the ways neuroscientists study the brain? There are a variety of tools available to understand brain structure and functioning at both the micro and macro level. This survey course will introduce you to the methods scientists use to investigate how the brain works using neurons, animal models, and human participants. You will get a chance to visualize the brain, dissect a brain, and hear from experts from the university and beyond to get an overview of the variety of techniques that have aided in our understanding of typical and atypical brain functioning. This class will include hands-on activities, class discussions, guest speakers, and will culminate in a proposal and presentation of your own research ideas to study the brain. **Satisfies: HC Elective**

# Fall 2019 Honors Thesis/Research/Projects Options

- HC 408**                      **Thesis: Stage 2 Explore @ Build**                      1 HC Credit(s)
- CRN: 13573                      Section 001                      HYB                      W 1700 - 1750  
*Meets weeks 2, 4, 6, & 10 only*
- Instructor(s): Kassena Hillman
- HC 408: Stage 2 Explore & Build will guide you through the second stage of the Thesis Success in Stages (TheSIS) process. In this class you will explore the many resources at the HC and OSU to help you find a mentor and a project, build strategies for a successful thesis experience, learn the components of the thesis, and plan out your next steps. You will also hear from students and faculty with recent experience in the thesis process. **You do not need to have a thesis idea to be in Stage 2.** PREREQS: Completion of "Stage 1: Plan" workshop. *This course is a hybrid course that consists of weekly online assignments and one hour in-person class meetings weeks 2, 4, 6, @ 10.* This course will be team taught with an HC Academic Advisor and HC faculty. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**
- HC 408**                      **Thesis: Stage 3 Commit**                      1 HC Credit(s)
- CRN: 14631                      Section 002                      WS                      Th 1600 - 1750  
*Meets weeks 3 and 7 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 7 only. PREREQS: Prior completion of TheSIS Stages 1 & 2 as outlined at [honors.oregonstate.edu/thesis](http://honors.oregonstate.edu/thesis). **Graded: P/N. Satisfies: HC Thesis/Research/Projects**
- HC 408**                      **Thesis: Stage 4 Compose @ Complete**                      1 HC Credit(s)
- CRN: 15633                      Section 003                      WS                      F 1400 - 1550  
*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 a significant amount of their research and be prepared to begin writing the thesis draft. The course is largely discussion based, with time for writing workshops built in; therefore, this course is relevant for students in all disciplines. Meets weeks 2, 4, and 6 only. PREREQS: Prior completion of TheSIS Stages 1, 2, & 3 as outlined at [honors.oregonstate.edu/thesis](http://honors.oregonstate.edu/thesis). **Graded: P/N. Satisfies: HC Thesis/Research/Projects**
- HC 408**                      **Thesis: First-Year Resources and Thesis Jumpstart**                      2 HC Credit(s)
- CRN: 20247                      Section 004                      WS                      T 1600 - 1750
- Instructor(s): Leanna Dillon
- Through workshops and presentations, first-year students will discover OSU and Honors College research opportunities and resources. This course also guides first-year students through Stages 1 & 2 of the Thesis Success in Stages (TheSIS) process, Plan and Explore & Build. Students will plan ahead for a successful HC thesis experience, explore their own research interests and goals, and build upon their knowledge of research opportunities and resources available at OSU. Through smaller assignments, students will compile information about research at OSU in order to create a poster and participate in a mini thesis fair to display and talk about their work. Course participation and attendance are required. For first-year, first term students only. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**