Fall Extension 2021 Course Options

These classes take place prior to the first day of fall term and are **not** open to incoming students.
Registration dates and deadlines follow the Academic Calendar for non-traditional offerings at
https://registrar.oregonstate.edu/non-traditional-course-academic-calendar.
If you have questions about the content or plan for any of these courses, please contact the instructor for the course you are interested in. **If you would 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 and provide the following information. We will 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. HC 299)
    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.

HC 299 *Field Ecology in the Oregon Outback* 2 HC Credit(s)

CRN: 20117 **Section** 004 SEM **Course is a 3-day field trip, Sept 19-21 2021**

Instructor(s): John Buckhouse

This class is a three day field ecology course which takes place in central Oregon in a remote and isolated region called the "Oregon Outback". This class will examine geology, soils, vegetation, wildlife, hydrology, livestock and management issues. We will also investigate native American cultures which were present there, pioneer history, and present day management. The class will camp and prepare our own meals in an area which has no running water, no electricity, no toilet facilities, and no cell service. Dr. Buckhouse will provide the communal camp equipment of stoves, water, and sanitary essentials. Each student is to provide his\her\their own backpacker's tent, personal items (toiletries, tooth brush, prescription meds, boots, warm clothing, warm jacket, gloves, hat, and warm sleeping bag). Do not bring illegal drugs, alcohol, marijuana, firearms, or explosives (including firecrackers).
The class will be conducted prior to the official beginning of classes in late September, Fall Term. Each student will be responsible for a 2-3 page experiential report due one week after we return to campus. There will be no exams. Grades will be determined based on the experiential report and participation. This is a field ecology class, not a recreational camping\hiking trip-- although we will be camping and there will be short hikes over rough and rocky terrain as we move from one ecosystem to the next. Food will be hearty camp fare which will be prepared in a grill. Anticipate hamburgers, steaks, veggies, salads, roasted potatoes, sandwiches, granola, bagels, and coffee. If you have food or medical issues, contact Dr. Buckhouse, john.c.buckhouse@oregonstate.edu to arrange accommodations. This course is not available for incoming students. **3-day field trip, Sept 19-21 2021**. **Course Fee: $56. Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 19686 **Section** 043 SEM **Meets before fall term begins, Friday 9/10/21 through Sunday 9/12/21 only. All day field trips each day.**

Instructor(s): Dan Arp

Over 200 agricultural commodities are produced in Oregon, more than almost 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 course is not available for incoming students. **Meets before fall term begins, Friday 9/10/21 through Sunday 9/12/21 only. All day field trips each day. Course Fee: $64. Satisfies: HC Colloquia**

Fall 2021 Corvallis HC Bacc Core

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

Register for both the lecture and the lab

CRN: 15825	**Section** 001	LEC	**TR 800 - 920**
CRN: 15826	**Section** 010	LAB	**T 1200 - 1350**

Instructor(s): Matthew Kennedy & Dawn Sherwood

Students will be exposed to basic science concepts needed to manage/raise/care for domestic animals such as beef cattle, dairy cattle, horses, swine, sheep, companion animals, and poultry. Current issues/concerns that arise with domestic animals such as animal welfare, sustainability, and management practices will be addressed and discussed throughout the course. Labs will include field trips to animal units here at OSU and in the Corvallis community with opportunities to learn more about daily care alongside current research and events occurring at each site. **Course Fee: $55. Satisfies: HC BaccCore** - **Biological Science**

ANTH 330H *Evolution of People, Technology, and Society* 3 HC Credit(s)

CRN: 18298	**Section** 001	LEC	**MWF 1600 - 1650**

Instructor(s): Neal Endacott

Overview of the evolution and prehistory of the human species, including the development and interaction of human biology, technology, and society. **Satisfies: HC BaccCore** - **Science, Technology, Society**

BI 221H *Principles of Biology: Cells* 4 HC Credit(s)

CRN: 18605	**Section** 001	LEC	**MWF 1300 - 1350** **Group Midterms**	Nathan Kirk

AND register for a lab section below:

CRN: 18606	**Section** 010	LAB	**W 1400 - 1650**	Carmen Harjoe
CRN: 18607	**Section** 011	LAB	**Th 800 - 1050**	Carmen Harjoe
CRN: 18608	**Section** 012	LAB	**F 1400 - 1650**	Carmen Harjoe

Instructor(s):

Introduction to fundamental biological concepts and theories about the chemical and molecular basis of life, structure and function, transformation of energy and matter and information flow at a cellular and molecular level. PREREQS: (CH 121 or 201) or (CH 231/231H and (CH 261/261H or CH 271)). All may be taken concurrently. **Course Fee $29. Satisfies: HC BaccCore** - **Biological Sciences**

BI 306H *Environmental Ecology* 3 HC Credit(s)

CRN: 18300	**Section** 001	LEC	**TR 1400 - 1520**

Instructor(s): Kate Lajtha

Students will be introduced to the biological, physical, and chemical nature of both natural and human-disturbed communities; we will stress ways in which humans have altered terrestrial and aquatic ecosystem structure and function. Part of the point of this course is to focus on topics that are of interest to the class, so the course outline, and each day's topic, is relatively open. This means that discussion and argument are critical! Student voices are what make this class interesting! **Satisfies: HC BaccCore** - **Contemporary Global Issues**

CH 231H *Honors General Chemistry* 4 HC Credit(s)

CRN: 14719	**Section** 001	LEC	**MWF 1200 - 1250**	Staff TBD

And register for one REC section

CRN: 14721	**Section** 010	REC	**T 1100 - 1150**	Staff TBD
CRN: 14722	**Section** 011	REC	**Th 1400 - 1450**	Staff TBD

And register for one CH 261H LAB section

CH 261H *Laboratory for Honors General Chemistry* 1 HC Credit(s)

CRN: 13565	**Section** 010	LAB	**T 1500 - 1750**
CRN: 13566	**Section** 011	LAB	**Th 1200 - 1450**

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). **CH 261H 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**

ED 216H *Purpose, Structure, & Function of Education in a Democracy* 3 HC Credit(s)

CRN: 17020	**Section** 001	LEC	**MWF 1000 - 1050**

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, Discrimination**

FILM 265H *Films for the Future* 4 HC Credit(s)

CRN: 20136	**Section** 001	LEC	**TTh 1600 - 1750 (lectures)** **M 1800 - 2150 (required film screenings)**

Instructor(s): Jon Lewis

An interdisciplinary study of film, literary, and philosophical visions of the future. Three hours of lecture and separate screenings each week. **Course Fee: $20. Satisfies: HC BaccCore** - **Literature & The Arts**

H 333H *Global Public Health*

3 HC Credit(s)

CRN: 18301 **Section** 001 LEC **TR 1600 - 1720**

Instructor(s): Sunil Khanna

This course introduces global health by putting its contemporary definition, determinants, development, and direction as a field into a broad global context. The course is divided into four core themes: a) introduction to global public health and the burden and distribution of disease; b) the social determinants and consequences of global health inequities; c) the development of global health intervention programs and policies; and, d) overview of global health governance. We will examine these themes in relation to wider patterns of global interdependency, highlighting how both global health inequities and global health policy responses are themselves shaped by global relationships. **Satisfies: HC BaccCore** - **Social Processes & Institutions**

HC 199 *Honors Writing*

3 HC Credit(s)

Choose one lecture section

CRN: 10906 **Section** 001 LEC **MWF 900 - 950**

CRN: 10907 **Section** 002 LEC **TTh 1200 - 1320**

CRN: 13168 **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**

MTH 251H *Differential Calculus*

4 HC Credit(s)

Choose one lecture section.

MTH 251H does not have recitations – that time is built into the lecture.

CRN: 11792 **Section** 001 LEC **MW 1200 - 1350** Sara Clark

CRN: 14349 **Section** 002 LEC **MW 1000 - 1150** Staff TBD

CRN: 15265 **Section** 003 LEC **MW 800 - 950** Sara Clark

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 or MTH 150X. Sufficent test scores may waive MTH 112 PREREQ. **Course Fee $10. Satisfies: HC BaccCore** - **Mathematics**

MUS 102H *History of Rock & Roll*

3 HC Credit(s)

CRN: 13261 **Section** 001 LEC **MWF 1200 - 1250**

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 199H *Disruption As A Practice: Contemplative Studies for Social Transformation*

1 HC Credit(s)

CRN: 19676 **Section** 001 ACT **TR 1600 - 1650**

Instructor(s): Brianne LaBauve

In this course we will study the principles, practices and philosophy of meditation and yoga as tools for personal, spiritual growth and social transformation. Students will engage with meditation techniques, basic yoga postures, and their impacts on the body and mind while examining current discourse that speaks to contemplative practices as tools for both personal and social transformation. Drawing from Buddhist philosophy, practical meditation exercises, mindfulness, pranayama, hatha yoga and mindful self-compassion, this course will provide students with experiential, hands-on practices and opportunities to reflect upon personal histories and experiences while developing tools that hone the power of thoughts, emotions and feelings for personal, spiritual and social transformation. **Course Fee: $49**. **Satisfies: HC BaccCore** - **Fitness**

PAC 325H *Wilderness First Aid*

1 HC Credit(s)

CRN: 19677 **Section** 002 ACT **W 1400 - 1550**
Required all day "Wild Day" field trip Saturday Nov 13, 2021

Instructor(s): Sheila Evans

Crunch! Uhg… Ouch! Do you recreate with accident-prone friends or family? Do you spend any time playing in the outdoors? Knowing the fundamentals of emergency care in non-urban environments is a useful skill. There will be a number of outdoor sessions so come prepared with "grubby" clothes that will get dirty or bloody (fake blood). 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 all day "Wild Day" field trip Saturday Nov 13, 2021** **Course Fee: $167. Satisfies: HC BaccCore** - **Fitness**

PH 212H *General Physics with Calculus*

4 HC Credit(s)

CRN: 17269	**Section** 001	LEC	**MWF 1300 - 1350**

And choose one lab section

CRN: 17270	**Section** 010	LAB	**T 1600 - 1750**
CRN: 17271	**Section** 020	LAB	**T 800 - 950**

Instructor(s): 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: 20141	**Section** 001	LEC	**TTh 1200 - 1350**

Instructor(s): Marta Kunecka

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/REL 160H *Quests for Meaning: World Religions*

4 HC Credit(s)

Choose *either* the PHL 160H section *OR* the REL 160H section.

PHL 160H CRN: 20143	**Section** 001	LEC	**MW 1400 - 1550**
REL 160H CRN: 20144	**Section** 001	LEC	**MW 1400 - 1550**

Instructor(s): Stuart Sarbacker

A survey and analysis of the search for meaning and life fulfillment represented in major religious traditions of the world, such as Hinduism, Buddhism, Taoism, Zen, Confucianism, Judaism, Christianity, and Islam. **Satisfies: HC BaccCore** - **Cultural Diversity**

PHL/REL 444H *Biomedical Ethics*

4 HC Credit(s)

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

PHL 444H CRN: 13569	**Section** 001	LEC	**TTh 1600 - 1750**
REL 444H CRN: 15051	**Section** 001	LEC	**TTh 1600 - 1750**

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**

PS 315H *The Politics of Media: Cultural Representations of Politics* 4 HC Credit(s)

CRN: 19678 **Section** 001 LEC **TTh 1400 - 1550**

Instructor(s): Philipp Kneis

For most citizens, access to politics is primarily mediated through various forms of communication and representation: be they newspapers, radio, television, films, web sites, blogs, online communities, etc. In order to access political knowledge and to gain knowledge over politics, these media need to be consulted, consciously or subconsciously. This course analyses various forms of cultural representations of politics in different media. First, we will discuss core theories of media and representation, and then apply these theories to different media examples. Students are provided with a selection of such examples, but are required to find some source materials of their own. **Satisfies: HC BaccCore** - **Social Processes & Institutions**

PSY 201H *General Psychology* 4 HC Credit(s)

CRN: 18347 **Section** 001 LEC **TTh 1400 - 1550**

Instructor(s): Juan Hu

Scientific study of behavior and experience. Neuroscience; sensation and perception; conditioning, learning and memory; thinking, problem solving, language, intelligence, and consciousness. **Satisfies: HC BaccCore** - **Social Processes and Institutions**

REL/PHL 160H *Quests for Meaning: World Religions* 4 HC Credit(s)

Choose *either* the PHL 160H section *OR* the REL 160H section.

REL 160H CRN: 20144 **Section** 001 LEC **MW 1400 - 1550**

PHL 160H CRN: 20143 **Section** 001 LEC **MW 1400 - 1550**

Instructor(s): Stuart Sarbacker

A survey and analysis of the search for meaning and life fulfillment represented in major religious traditions of the world, such as Hinduism, Buddhism, Taoism, Zen, Confucianism, Judaism, Christianity, and Islam. **Satisfies: HC BaccCore** - **Cultural Diversity**

REL/PHL 444H *Biomedical Ethics* 4 HC Credit(s)

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

REL 444H CRN: 15051 **Section** 001 LEC **TTh 1600 - 1750**

PHL 444H CRN: 13569 **Section** 001 LEC **TTh 1600 - 1750**

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**

WR 121H *English Composition*

4 HC Credit(s)

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

CRN: 15134	**Section** 001	LEC	**TTh 800 - 950**
CRN: 15630	**Section** 002	LEC	**MW 1000 - 1150**
CRN: 16254	**Section** 003	LEC	**MW 1600 - 1750**

Instructor(s): Kristy Kelly

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: 17018	**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. RESTRICTIONS: Minimum of sophomore standing required. **Satisfies: HC BaccCore** - **Writing II**

Fall 2021 Corvallis HC Colloquia

BB 407H *Learn to Love Your Lying Eyes (and Brain)*

2 HC Credit(s)

CRN: 18299 **Section** 001 SEM **W 1400 - 1550**

Instructor(s): Kenton Hokanson

We humans can pick a single voice out of a noisy room, instantly recognize a childhood friend, and esaliy raed mespesilld wrods. Our brains are amazing! Why, then, was the world briefly paralyzed in 2015, when we couldn't even agree whether "The Dress" was white and gold or blue and black? The answer is that our brains are messy, complicated machines, remarkably good at many things, but easily fooled by others. In this class, we will explore sensory illusions that reveal the limits of our brains, then discuss research in neuroscience and psychology that helps explain our experiences. We will practice analyzing and creating scientific writing, and presenting it to peers. Finally, we will reflect on how our knowledge of our brains' imperfections can inform our approach to the debates and challenges of society today. This course will be a fun and active introduction to our human brains. It assumes no previous neuroscience or biology coursework. **Graded: P/N. Satisfies: HC Colloquia**

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

2 HC Credit(s)

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

ENSC 407H CRN: 16599 **Section** 400 SEM **- online -**

HC 407 CRN: 16598 **Section** 401 SEM **- online -**

Instructor(s): Samantha Hatfield

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

HC 299 *Farside Entomology*

2 HC Credit(s)

CRN: 13624 **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. 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 *Internationalizing Your HC Experience*

1 HC Credit(s)

CRN: 16000 **Section** 002 SEM **R 1500 - 1550**

Instructor(s): David Kovac

The Honors College wants you to be successful—not just in the classroom, but in the world. Learn about the benefits of "internationalizing" your OSU education and your Honors College experience. This colloquium will help you explore options such as faculty-led study abroad programs, international service experiences, the International Studies Undergraduate Major, and the Global Development Studies minor. Melding these opportunities into your Honors College experience will require some thought and planning, and this course is designed to help you discover which opportunities will best supplement your HC and OSU experience as we prepare for a more globally connected future. **Satisfies: HC Colloquia**

HC 299 *Pandemics and Philosophies: Who Lives, Who Dies, Who Decides?*

2 HC Credit(s)

CRN: 19670 **Section** 003 SEM **TR 1600 - 1650**

Instructor(s): Courtney Campbell

The COVID-19 pandemic has changed every aspect of the way we live, and unfortunately, for millions of people worldwide, the way we die. "Pandemics and Philosophies: Who Lives?, Who Dies?, Who Decides?" brings the life wisdom of the humanities and the health humanities to bear on our personal, communal, university, and cultural experience of a pandemic. This humanistic wisdom includes: questions in (a) professional, philosophical, and religious ethics, (b) lessons from historical narratives, and (c) cultivation of civic virtues through story-telling and literary narratives. Course readings, discussions, case studies, and writing assignments have been selected to provide profound insights into our decision-making about who lives and who dies in the COVID-19 era. **Satisfies: HC Colloquia**

HC 407 *Writing About Music*

2 HC Credit(s)

CRN: 15687 **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: 15060 **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: 13812 **Section** 003 SEM **M 1000 - 1150**

Instructor(s): Don Johnson

This seminar focuses on the relationship between leadership and being a well balanced human being. Leadership is the creation of a solution. Doesn't it make sense that a leader who is a well balanced person and lives a life focused on personal wellness would be better prepared to lead in the creation of solutions that are affective and lasting? In this seminar we will study the work of Martin Seligman, the creator of Positive Psychology, and the designer of the PERMA Theory. We will use the PERMA Theory as the foundation for responding to "real" case studies. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 17011 **Section** 004 SEM **W 1300 - 1350**

Instructor(s): Shanna Ruyle

Explore what a Circular Economy is and could be through a designer lens. Try different methods that designers use to help design products and services that can help make a better world. You'll sketch, brainstorm and create to find your own insights and build your point of view of the Circular Economy.

- Learn 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
- Take your ideas beyond the classroom to create a project, experience or creative endeavor to inspire yourself (or others). **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Race and Science*

2 HC Credit(s)

CRN: 15688 **Section** 005 SEM **R 1000 - 1150**

Instructor(s): Thomas Bahde

This course considers the role of science and pseudoscience in shaping ideas about race and practices of racism from the mid-18th through the early 21st centuries. For most of this time, mainstream scientific thought held that empirical determinations of racial difference provided for "natural" social organization, explained widespread discrimination, and justified global inequality, even as the meaning of race remained ambiguous in scientific discourse. We will be looking at how ideas about race have been created and re-created at the intersection of popular culture, scientific communication, and institutional authority over two centuries in order to better understand the many meanings of race in our own historical moment, when genetic editing technology raises the prospect of customizable bodies, the COVID-19 pandemic more widely exposes the health effects of systemic racism, and tense national politics hinge largely on issues of ongoing racial discrimination, disenfranchisement, and violence. **Graded: P/N. Satisfies: HC Colloquia**

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

1 HC Credit(s)

CRN: 13813 **Section** 006 SEM **R 1000 - 1050**

Instructor(s): Randall Milstein

What do ballerinas and spiral galaxies have in common? Why is photography one of the pivotal inventions of human history? Is the Golden Ratio really a mathematical expression of beauty? This colloquium challenges the mindset that science and art are opposing endeavors, and 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: 15047 **Section** 007 SEM **MW 900 - 950**

Instructor(s): Elizabeth Barstow

This class invites you to read about and discuss some of 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 have 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 in Earth History*

1 HC Credit(s)

CRN: 13814 **Section** 008 SEM **R 1300 - 1350**

Instructor(s): Randall Milstein

Often Earth has a bad day: 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 COVID-19 pandemic among humans? **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Experiential Marketing - Sports, Tourism & Performing Arts* 2 HC Credit(s)

CRN: 19870 **Section** 009 SEM **T 1600 - 1750**
Required all day field trip Sunday, October 17th

Instructor(s): Sheryl Spann

This course covers basic principles used by marketing professionals employed in the highly experiential product/services world of marketing within experiential tourism, cultural, sports, special events and performing arts. We will discuss relationships between customers, products, organizations and the unique specialty marketing required in this exciting, dynamically evolving world of experiential products while offering an experiential class component. **Required all day field trip Sunday, October 17th. Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Bulletproofing Your Research with Open Science Practices* 1 HC Credit(s)

CRN: 19675 **Section** 010 SEM **F 900 - 950**

Instructor(s): Jason McCarley

Over the past 10 years or so, discoveries of fraud and untrustworthy data have embarrassed researchers and undermined trust in science. In response, the Open Science movement has emerged to promote more rigorous and transparent research practices. In this colloquium, we will discuss causes of low scientific replicability, and review simple methods that researchers--including Honors thesis writers--can adopt to protect the integrity of their own findings. Topics to be covered include preregistration, replication, data sharing, and analytic reproducibility. Emphasis will be on behavioral and social sciences. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *How to be Less Wrong: A Study in Common Misconceptions* 2 HC Credit(s)

CRN: 19680 **Section** 011 SEM **T 1400 - 1550**

Instructor(s): Andy Olstad & Kiri Wagstaff

Help make the world a little better by checking your own misconceptions! Each week we will choose a different area of knowledge (cooking, literature, science, religion, history, and more) and investigate common misconceptions. We will draw from several sources, including Lies My Teacher Told Me or even The Structure of Scientific Revolutions. Students will have the opportunity to make predictions, do their own myth-busting, and survey friends to find out how common a mistaken belief is. Students should come to this class ready to joyfully delve into something we thought we knew - and be willing to learn that what we know ain't so! **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *God, Pain, and the Problem of Evil: An Introduction to CS Lewis* 2 HC Credit(s)

CRN: 20138 **Section** 012 LEC **M 1600 - 1750**

Instructor(s): Gary Ferngren

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

HC 407 *The New Yorker Cartoons: History and Humor*

2 HC Credit(s)

CRN: 19674 **Section** 013 SEM **T 1700 - 1850**

Instructor(s): Andrea Marks

The world-renowned New Yorker is an iconic magazine and much of its success is due to the many New Yorker cartoons included in each week's issue. This colloquium will explore The New Yorker cartoons as a vehicle to analyze and discuss the cultural, social, political and general zeitgeist of the time. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Coaching Youth Programs*

1 HC Credit(s)

CRN: 18305 **Section** 014 SEM **R 1100 - 1150**

Instructor(s): Karen Swanger

This course focuses on developing the skills necessary to work with youth in any setting! Instruction is based on the model of Positive Youth Development and the research surrounding it. Positive Youth Development focuses on building relationships with youth by increasing confidence, developing character and life skills competence, by showing and developing compassion, and by most importantly by creating connections. Students will learn to impact the social and emotional growth of any youth they interact with now and in their future careers. Students will have the opportunity to work with youth in a positive youth development setting and develop lesson plans during the course. They will develop applicable skills to working with youth in sport and recreation such as written and oral communication skills, planning and organization, and project and lesson management. Topics will include Positive Youth Development, identity development, growth mindset, communication skills. **Satisfies: HC Colloquia**

HC 407 *Going Viral: Memes and Social Media in the Age of (Mis)Information*

2 HC Credit(s)

CRN: 19682 **Section** 015 SEM **F 1000 - 1150**

Instructor(s): Kristy Kelly

What's the most hilarious meme you've seen recently, and could you describe it to your mom? Like the inside jokes of the internet, memes spread based on shared cultural knowledge: to get it, you kind of have to be there. From memes like "Distracted Boyfriend" or "Is this a Pigeon?" to the meme-ification of white nationalism, this colloquium explores what makes memes so compelling and how they impact culture. We'll look at viral trends that invade the collective consciousness, examining their relationship to comedy, political critique, systems of power, and the shape of democracy itself. We'll consider how social media platforms encourage information to spread—and how they privilege some ideas and identities over others. Investigating such topics as algorithmic bias, meme theory, and deepfakes, this colloquium turns a critical eye toward our consumption of information. Students will trace the history of significant memes, analyze internet subcultures, and create plenty of their own memes along the way. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 19683 **Section** 016 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. Students will complete two projects during the term: Teach A Conspiracy, and Make A Conspiracy. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Dawn of the Anthropocene* 1 HC Credit(s)

CRN: 14707 **Section** 017 SEM **R 1400 - 1450**

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 *Visual Culture and the Meaning Behind Images* 2 HC Credit(s)

CRN: 19673 **Section** 018 SEM **MW 1100 - 1150**

Instructor(s): Daniele Di Lodovico

We live in a culture dominated by images and while we are always able to see them, often time we miss the chance to really understand how these images work and why they have the power to significantly modify our behavior and affect our lives. This course explore the dynamic behind the significance of images and how they create the meaning that influence and shape our perspective on society and life. Students will have the chance to build the critical skills to analyze and comprehend how an image creates meaning and establishes different ranges of human responses. Each week we will explore a topic related to visual culture with an interdisciplinary approach that will include elements of art history, visual studies, philosophy, anthropology, photography, advertisement and social media studies. Course activity will entail the making of art, active interpretation of images and student-led discussions. All students will become independent critical thinkers and build the ability to analyze images in an original and analytical way, based on contextual and visual evidence. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 15232 **Section** 019 SEM **T 1000 - 1050**

Instructor(s): Randall Milstein

The good, the bad, the inventive, and the absolutely awful examples of "science" portrayed in science fiction films, television shows, comic books, and literature. Aliens, lightsabers, 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. 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 *Diagnosis, Stat: An Introduction to Clinical Diagnostics* 1 HC Credit(s)

CRN: 18306 **Section** 020 SEM **W 1600 - 1750**
Meets Weeks 1-5 Only

Instructor(s): Vincent Remcho

Are you curious about what happens to that blood sample that is drawn when you make a visit to the doctors' office? Interested in what kinds of information a CBC, or complete blood count, provides to the medical professionals on whom we rely for advice on how to lead our most healthy, productive lives? A majority of people - and domestic animals - will at some post in time have a blood sample drawn for the purpose of clinical analysis. In addition to the CBC, many other kids of medical diagnostics can be run, and samples other than blood can be used for diagnostic purposes as well. This course will equip you to better understand and interpret the results of common diagnostic assays, will teach you how several of these assays work, and will provide you with the opportunity to learn more about how new assays are developed. Class will meet once per week, and you will invest 1-2 hours per week of additional time on your own schedule, consisting of some reading from materials provided to you. Class time will be invested in presentation and discussion of modern methods of clinical analysis. If you are interested in a career in pharmaceutical sales, health care/hospital administration, medicine (human or animal), health related science (chemistry, biology, biochem, medical device development), or simply curious about what happens when that sample disappears behind that door, this colloquium is a good fit for you. Your grade in the course will be based on participation and engagement in the discussions. **Meets Weeks 1-5 Only. Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 16251 **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 *Migration and the Politics of Belonging*

2 HC Credit(s)

CRN: 19672 **Section** 022 SEM **MW 1400 - 1450**

Instructor(s): Doug Clark

This colloquium offers a dialogue about migration in the contemporary world. Our primary concern is to understand how nation-state migration policies and international laws and norms impact people migrating for purposes of work, study, family unification, and refuge. Globalization has created new challenges for citizenship and human security. Boundaries are being blurred and the authority of states is being physically and conceptually eroded. Millions of people have multiple citizenship, while millions more lack citizenship of their country of residence. Cultural heterogeneity is escalating. Identities are unstable and insecure. Refugee populations currently exceed 65 million, more than at any time since World War II. There are increasing numbers of people who do not 'belong.' They are the 'others.'
We will explore the implications of migration for individuals. These issues are essentially epiphenomenal, i.e. they occur as a result of something else happening such as political repression, inequality, discrimination. We will focus on a political world organized on the basis of sovereignty. Sovereignty ensures that every state has the authority to determine who is permitted to cross its borders, and how they will do so. Currently, no countries have open borders. In addition, we must examine the nature and effectiveness of international laws (for example, asylum laws) and multilateral organizations (for example the EU and UN) and the potential to assist and protect migrants. Our approach then, is to employ levels of analysis: individual, state, and international, to understand the dimensions of human insecurity accompanying migration and necessary to identify strategies and policies to support human security (belonging) and the development of democratic systems of government serving a diversity of democratic citizens. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Science and Solutions for a Hot, Sour, and Breathless Ocean*

2 HC Credit(s)

CRN: 19684 **Section** 023 SEM **T 1200 - 1250**
Required Overnight Field Trip Oct 9-10, 2021

Instructor(s): Francis Chan

Increasing marine heatwaves, low oxygen dead zones, and acidifying waters are resulting in what many are calling a hot, breathless, and sour ocean. How certain are we that changes are real, that climate change is responsible, or what future ocean food webs will look like? Do we have the right science in place to inform society of the risks ahead? Who gets to decide what is the right science? What actions can we take? This course will introduce students to the science of climate change. We will focus on ocean changes on our own backyard. Through a combination of lectures, readings, discussions, and hands-on deployment of ocean climate sensors, our class will examine how the information that informs society's understanding of climate change in the sea is collected, interpreted, and used. We will have one overnight weekend field trip to the Oregon Coast where we will explore systems at risk and make our own measurements of ocean temperature, oxygen, and pH in Yaquina Bay to help build the body of climate knowledge that will inform environmental policies in Oregon. Along the way, we will learn how scientists think, why they get things right, why they get things wrong, and what happens when they think outside the box. There will be a course fee to cover the field trip. Please contact the instructor if fees or conflicts with work on the weekend are an issue. **Required Overnight Field Trip Oct 9-10, 2021.**
Course Fee: $56. Graded: P/N. Satisfies: HC Colloquia

HC 407 *Imaging the American West*

2 HC Credit(s)

CRN: 19685 **Section** 024 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 *Science, Ethics and Star Trek* 1 HC Credit(s)

CRN: 17015 **Section** 025 SEM **R 1500 - 1550**

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, Starfleet. 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 science and medicine. We will go where few have gone before, using Star Trek as a lens to understand the role of ethics in biological and clinical research. Engage! **Satisfies: HC Colloquia**

HC 407 *Life - The Biosphere Through Space and Time* 2 HC Credit(s)

CRN: 18310 **Section** 026 SEM **M 1000 - 1150**

Instructor(s): Stephen Atkinson

In this course we will cover aspects of biology, ecology, parasitology, geology, astronomy and how these filter into our everyday human lives through the news media, science fiction and other genres. Students will get a brief introduction to different means of artistic expression, and demonstrate how you can convey scientific concepts in creative ways. This colloquium class should satisfy anyone who is curious about the living world in and around them, and wants to experience a synthesis of academic and artistic learning. Typical class time will involve discussion on the weekly topic, student presentations, and hands-on activities. Assessment will be through creative assignments that include: short oral presentations, art creations using different media, and written reflections and critiques posted to Canvas. There will be no mid- or final- exams. If you don't have a science or art background - don't worry! Everyone is welcome, and all activities will be demonstrated. We will all benefit from hearing and seeing the variety of experiences and skills you each bring to the class. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Exploring the History of Commerce through Board Games* 2 HC Credit(s)

CRN: 19671 **Section** 027 SEM **R 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 actually playing selected games in class. Expect self-directed research, informal presentations, playful debate, and reflective writing. This class is intended to be fun and highly interactive. 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. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *What Is Creativity?*

2 HC Credit(s)

CRN: 18316 **Section** 028 SEM **M 1400 - 1550**

Instructor(s): Jeremy Townley

When we think about creativity, most of us privilege art: painting, sculpture, literature, and film. If we think a little harder, we might include dance, opera, photography, symphonic music, and theater, among other highbrow art forms. Yet why do we usually confine notions of creativity to the fine arts? Don't popular art (graphic novels, Hollywood movies, pop music, public graffiti-murals), not to mention other domains (architecture, computer science, engineering, math, physics), demand similar types of creativity? Is it possible to generalize patterns of thought and/or behavior from one creative endeavor to another? We will explore these and other questions through readings and films by creative practitioners and scholars, short written reflections, small-group and class discussions, informal presentations, a short synthesis essay, and a final creative project. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Imaging the Universe*

1 HC Credit(s)

CRN: 17495 **Section** 029 SEM **M 1700 - 1750**

Instructor(s): Tom Carrico

Astrophotography will be the focal point for discovering the entire spectrum of the universe. Using your own camera, one you borrow from campus SMS, or a remote controlled telescope, you will be able to image the universe. 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. There will be numerous opportunities to take images with a DSLR on clear evenings near campus (day/time flexible with alternative options based on your schedule). We will also have access to multiple nights with a remote controlled telescope to image the universe with even finer detail. Connection to this telescope will be via Zoom. It is up to you to decide if you want to use a DSLR, telescope or both! At the end of the class, you will have images you captured using a variety of image capture and processing technologies. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *"The Play's the Thing": A Survey of Theater*

1 HC Credit(s)

CRN: 15242 **Section** 030 SEM **F 1100 - 1150**

Instructor(s): Eric Hill

In this class we will be looking at everything from Aristophanes' ancient Greek comedy Lysistrata (where the women withhold sex from their husbands until they promise to cease fighting the Peloponnesian War), to Shakespeare, to Tony Kushner's Angels in America (that covers the AIDS epidemic during the Reagan years, Mormonism, McCarthyism, and the supernatural). Be prepared to explore live theater in a variety of ways. Whether you're a thespian, avid theater goer, or just interested in exploring live theater from a variety of perspectives, this course is for you! **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Enchanted Objects: Magic, Design, and Data* 2 HC Credit(s)

CRN: 20734 **Section** 031 SEM **M 1600 - 1750**

Instructor(s): Chet Udell

Arthur C Clarke famously wrote, "Any sufficiently advanced technology is indistinguishable from magic." How have our ideas of enchanted objects inspired new technology over time? How has advancing technology transformed our notions of magic? What are we doing today that would be considered magical a few decades ago? What do we consider magical now that may be possible in mere decades? You will explore these ideas through experiential hands-on projects using plug and play wireless sensors to build your very own enchanted objects that interact with the seemingly magical digital world around us. These projects will require your time, thought, and attention.
From Harry Potter to Hunger Games, magical objects are not only ubiquitous in our popular culture, but have also fundamentally transformed the products we use and the things we can do in daily life. Shoes keep track of how far and fast we run, watches detect when their bearer has heart trouble, and you can click your heels three times (to send an emergency call to your phone) to get out of a meeting or bad date. While technologies and the words we use to describe them may evolve, our desire to acquire objects that augment our capacities to gain knowledge, communicate, protect, and create have remained largely consistent throughout recorded history and across cultural barriers. Enchanted objects that facilitate these wishes are extant in our folklore, mythologies, epic poems, religious texts and can be found in much of our earliest recorded literature. We'll supplement and inform our project experiences through reading and video excerpts you select to investigate a variety of magical objects and their real-world counterparts throughout history.
It is expected that a wide diversity of disciplines will be represented in the classroom. Each student is encouraged to leverage the strengths of their unique backgrounds and experiences to shape skills and knowledge learned toward their personal interests. Some examples include: Business students might use this knowledge to identify and invest in the 'next big thing;' Literature students will be able to relate their knowledge with technical practice; Engineering and Computer Science students could push technical boundaries of the activities and gain new creative and cultural insights into their practice; Music, Art, and Communications students may gain new technical and cultural insights to augment their creative practice. **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: 16324 **Section** 032 SEM **F 1200 - 1350**
Meets Weeks 1-5 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 LBGTQ community in music. Students will examine key literature in music and gender studies that identifies theories, methodologies, and key concepts. Each weekly meeting will be devoted to applying these methods through case studies across the history of western music to today. Topics include an examination of the different cultural conditions in which women made music, the influence of women on the musical world and the surviving canon, music and identity formation, and representations of women and sexuality both on the historical stage and in contemporary popular music. Through this course students will develop a deep understanding of issues surrounding gender and music studies and form a personal viewpoint on addressing these topics as related to modern culture and society. **Meets Weeks 1-5 Only. Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Adaptation for the Stage* 2 HC Credit(s)

CRN: 16325 **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* 1 HC Credit(s)

CRN: 15926 **Section** 034 SEM **M 1400 - 1550**
Meets Weeks 1-5 Only

Instructor(s): Dave King

Creativity and innovation are the foundation of virtually all new and successful ideas. However, truly disruptive innovations—ideas that alter the status quo and take us in a new direction—require 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 1-5 Only. Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Philosophy and Happiness* 2 HC Credit(s)

CRN: 18312 **Section** 035 SEM **TR 800 - 950**
Meets Weeks 1-5 Only

Instructor(s): Marta Kunecka

We all have a desire to be happy. Is human need for happiness causing us to suffer while looking for an unobtainable illusion or is this desire substantial and necessary to live a fulfilled life? What is it that we are looking for? What, in fact, is happiness—can it even sustain a definition? In this course we will immerse in the wisdom of some of the greatest philosophers, and search for answers which can become guidelines for life. By closely examining the thought of a few chosen Western and Eastern thinkers as well as analysis of studies emerging from the field of positive psychology, we will explore and discuss different ideas of happiness in order to find its essence. **Meets Weeks 1-5 Only. Graded: P/N. Satisfies: HC Colloquia**

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

CRN: TBD **Section** 036 SEM **T 1600 - 1650**

Instructor(s): Tom Carrico

Astrophotography will be the focal point for discovering the entire spectrum of the universe. Using your own camera, one you borrow from campus SMS, or a remote controlled telescope, you will be able to image the universe. 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. There will be numerous opportunities to take images with a DSLR on clear evenings near campus (day/time flexible with alternative options based on your schedule). We will also have access to multiple nights with a remote controlled telescope to image the universe with even finer detail. Connection to this telescope will be via Zoom. It is up to you to decide if you want to use a DSLR, telescope or both! At the end of the class, you will have images you captured using a variety of image capture and processing technologies. **Graded: P/N. Satisfies: HC Colloquia**

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

2 HC Credit(s)

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

HC 407 CRN: 16598 **Section** 401 SEM **- online -**

ENSC 407H CRN: 16599 **Section** 400 SEM **- online -**

Instructor(s): Samantha Hatfield

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

PH 407H *The Mystery of Consciousness*

1 HC Credit(s)

CRN: 16253 **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. This is a subject that encompasses philosophy, neuroscience, computer science and physics. It is my goal in this course to give you a broad perspective on this exciting subject. **Satisfies: HC Colloquia**

Fall 2021 Corvallis HC Electives

BA 160H *B-Engaged* 2 HC Credit(s)

This course is shared with a section for COB Dean's Academy students. Honors students should register for section 019 and choose either section 010, 012, or 014.

CRN: 15234	**Section** 019	REC	**F 0900 - 0950**	Sandra Neubaum

AND choose one lecture section below

CRN: 15235	**Section** 010	LEC	**TTh 1100 - 1150**	Staff TBD
CRN: 15237	**Section** 012	LEC	**TTh 1300 - 1350**	Staff TBD
CRN: 15713	**Section** 014	LEC	**TTh 1400 - 1450**	Staff TBD

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. Honors students should register for section 019 and choose either section 010, 012, or 014. 2 out of the 3 OSU credits earned will count toward Honors College requirements.** RESTRICTIONS: For first-year business students only. **Satisfies: HC Elective**

BA 211H *Financial Accounting* 4 HC Credit(s)

This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.

CRN: 15618	**Section** 001	LEC	**TTh 0800 - 0950**

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. 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. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001. Satisfies: HC Elective**

BA 230H *Business Law I* 4 HC Credit(s)

This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.

CRN: 19688	**Section** 001	LEC	**TR 1000 - 1150**

Instructor(s): Inara Scott

Nature and function of law in our business society. Obligations arising out of agency, contract formation and breach, crimes, torts, warranty, regulation of competition, and international aspects thereof. RESTRICTIONS: Business majors/minors only. Sophomore standing required. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001. Satisfies: HC Elective**

BA 352H *Managing Individual and Team Performance* 4 HC Credit(s)

This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.

CRN: 18323 **Section** 001 LEC **MW 800 - 950**

Instructor(s): Qi Zhang

Diagnose individual and small-group behavior and develop skill in improving individual and small-group performance in entrepreneurial and established ventures. Emphasis on professional skill development and the practical application of theory and research. Concepts of ethics, diversity and cross-cultural relations are integrated throughout the course. PREREQS: (COMM 111/111H or COMM 114/114H or COMM 218/218H) AND (WR 222 or WR 323 or WR 327 or WR 327H or HC 199). RESTRICTIONS: For Business majors/minors only. Minimum of junior standing required. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001. Satisfies: HC Elective**

BA 370H *Business Information Systems Overview* 4 HC Credit(s)

This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.

CRN: 18325 **Section** 001 LEC **MW 1200 - 1350**

Instructor(s): Vipin Arora

Introduce students to the field of information management. Topics include information systems technology, the strategic role of IT, the business applications of networks, databases and Internet technologies, and the development and implementation of information systems. Use relational database models to design a real-world case study. PREREQS: BA 270/270H or BA 302 RESTRICTIONS: For Business majors/minors only. Minimum of junior standing required. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001. Satisfies: HC Elective**

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

CRN: 16632 **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 211H *Material Balances and Stoichiometry* 1 HC Credit(s)

Register for ***all three*** of the sections below.

CRN: 14234 **Section** 001 LEC **MF 1200 - 1250**

CRN: 14235 **Section** 010 REC **W 1200 - 1250**

CRN: 14236 **Section** 011 STU **W 1400 - 1450**

Instructor(s): Skip Rochefort

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: 11788	**Section** 001	LEC	**M 1600 - 1650**
		And choose one lab section below	
CRN: 11789	**Section** 011	LAB	**TTh 800 - 1120**
CRN: 11790	**Section** 012	LAB	**TTh 1300 - 1620**
CRN: 17274	**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.** PREREQ: (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 one lecture/lab pairing

CRN: 11998	**Section** 001	LEC	**TTh 1200 - 1320**
CRN: 12017	**Section** 010	LAB	**T 1330-1550 & Th 1200-1550**
	OR		
CRN: TBD	**Section** 002	LEC	**MW 1100 - 1150**
CRN: TBD	**Section** 020	LAB	**MW 1200 - 1450**

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 both the lecture and the lab

CRN: 11791	**Section** 001	LEC	**M 1300 - 1350**
CRN: 11999	**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). CH 442 can be taken concurrently. 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 both the lecture and the studio

CRN: 14247	**Section** 001	LEC	**MWF 800 - 850**
CRN: 18261	**Section** 010	STU	**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.** PREREQ: MTH 256/256H AND CBEE 212/212H. CBEE 212/212H can be taken concurrently. RESTRICTIONS: Must be in Pro-School in the College of Engineering to enroll in this course. **Satisfies: HC Elective**

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

CRN: 16541	**Section** 001	LEC	**MWF 1400 - 1450**

Instructor(s): Juli Schutfort

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

DSGN 341H *Design Thinking and Process Innovation* 4 HC Credit(s)

This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.

CRN: 18461	**Section** 001	LEC	**MW 1000 - 1150**

Instructor(s): Andrea Marks

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. Restrictions: For Apparel Design, Merchandising Management, Interior Design, and Design & Innovation Management students only. Minimum of junior standing required. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001. Satisfies: HC Elective**

ENGR 100H *The Oregon State Engineering Student* 1 HC Credit(s)

Choose one LEC/STU ***pairing***

CRN: 20698		**Section** 010	LEC	**TTh 1400 - 1450**	Engineering for People, Climate, and Ecosystems	Frank Chaplen
CRN: 20726		**Section** 011	STU	**Th 1600 - 1750**		Frank Chaplen
	OR					
CRN: 20699		**Section** 020	LEC	**TTh 1400 - 1450**	Engineering for a Resilient World	Meghna Babbar-Sebens
CRN: 20700		**Section** 021	STU	**Th 1600 - 1750**		Meghna Babbar-Sebens
	OR					
CRN: 20701		**Section** 030	LEC	**TTh 1400 - 1450**	Engineering Systems for a Better World	Paula De Szoeke
CRN: 20702		**Section** 031	STU	**Th 1600 - 1750**		Paula De Szoeke
	OR					
CRN: 20703		**Section** 040	LEC	**TTh 1400 - 1450**	Engineering for Global Development	Nordica MacCarty
CRN: 20705		**Section** 041	STU	**Th 1600 - 1750**		Nordica MacCarty
	OR					
CRN: 20706		**Section** 050	LEC	**TTh 1400 - 1450**	Clean Water–The Key to Health, Prosperity and Social Justice	Tyler Radniecki
CRN: 20707		**Section** 051	STU	**Th 1600 - 1750**		Tyler Radniecki
	OR					
CRN: 20708		**Section** 060	LEC	**TTh 1500 - 1550**	Engineering for Health	Christine Kelly
CRN: 20709		**Section** 061	STU	**Th 1600 - 1750**		Christine Kelly
	OR					
CRN: 20710		**Section** 070	LEC	**TTh 1500 - 1550**		Natasha Mallette
CRN: 20711		**Section** 071	STU	**Th 1600 - 1750**		Natasha Mallette
	OR					
CRN: 20712		**Section** 080	LEC	**TTh 1500 - 1550**	Power to the People: Energy Access and Environmental Justice	Eduardo Cotilla-Sanchez
CRN: 20713		**Section** 081	STU	**Th 1600 - 1750**		Eduardo Cotilla-Sanchez
	OR					
CRN: 20714		**Section** 100	LEC	**TTh 1500 - 1550**	Concrete, Steel and Silicon: the Materials of Engineering	Albrecht Jander
CRN: 20715		**Section** 101	STU	**Th 1600 - 1750**		Albrecht Jander
	OR					
CRN: 20716		**Section** 110	LEC	**TTh 1500 - 1550**	Sensors in the Wild: Electronics for Health, Environment, & Infrastructure	Matthew Johnston
CRN: 20717		**Section** 111	STU	**Th 1600 - 1750**		Matthew Johnston
	OR					
CRN: 20718		**Section** 120	LEC	**TTh 1500 - 1550**	Empowering Society: Fundamentals of Energy Production & Usage	Ted Brekken
CRN: 20719		**Section** 121	STU	**Th 1600 - 1750**		Ted Brekken

Enables students to be successful both at Oregon State and in their engineering careers. Illustrates and uses effective teaming practices that account for social justice and equity. Analyzes professional codes of conduct and ethical practices in engineering professions through the lens of multidisciplinary and societally relevant engineering challenges. Develops critical thinking skills to collaboratively identify engineering problems and to articulate possible solutions. Engages students in major exploration through the lens of engineering challenges. Lecture common with non-Honors. **1 out of the 3 OSU credits earned counts toward Honors College requirements. Satisfies: HC Elective**

ENGR 201H *Electrical Fundamentals I*

3 HC Credit(s)

Register for both the lecture and the lab

CRN: 16442	**Section** 001	LEC	**MW 1400 - 1450**
CRN: 16443	**Section** 010	LAB	**Th 1000 - 1150**

Instructor(s): Matthew Johnston

Analysis of linear circuits. Circuit laws and theorems. DC responses of circuits. Operational amplifier characteristics and applications. PREREQ: MTH 251/251H AND MTH 252/252H. For Pre-Engineering, Engineering, and Forestry students only. **Satisfies: HC Elective**

ENGR 211H *Statics*

3 HC Credit(s)

Register for both the lecture and the recitation

CRN: 15937	**Section** 001	LEC	**MW 1600 - 1650**
CRN: 15938	**Section** 020	REC	**F 1000 - 1150**

Instructor(s): Staff TBD

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

HC 002 / HC 409 *HC Peer Mentor Program*

0 or 1 HC Credit(s)

Register for ONE of the sections below. HC 002 is worth 0 credits. HC 409 is worth 1 credit.

HC 002 CRN: 17399	**Section** 001	Ind Stu	**W 1700 - 1750**	0 HC Credit(s)
HC 409 CRN: 15050	**Section** 009	PRAC	**W 1700 - 1750**	1 HC Credit(s)
HC 002 CRN: 17400	**Section** 002	Ind Stu	**F 1200 - 1250**	0 HC Credit(s)
HC 409 CRN: 15152	**Section** 010	PRAC	**F 1200 - 1250**	1 HC Credit(s)

Instructor(s): Emily Garcia

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. **Satisfies: HC Elective**

HC 409 *Civic Engagement* 1 HC Credit(s)

CRN: 13877 **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: https://sli.oregonstate.edu/cce. 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 *Conversants* 1 HC Credit(s)

CRN: 11030 **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 002 / HC 409 *HC Peer Mentor Program* 0 or 1 HC Credit(s)

Register for ONE of the sections below. HC 002 is worth 0 credits. HC 409 is worth 1 credit.

HC 002 CRN: 17399	**Section** 001	Ind Stu	**W 1700 - 1750**	0 HC Credit(s)
HC 409 CRN: 15050	**Section** 009	PRAC	**W 1700 - 1750**	1 HC Credit(s)
HC 002 CRN: 17400	**Section** 002	Ind Stu	**F 1200 - 1250**	0 HC Credit(s)
HC 409 CRN: 15152	**Section** 010	PRAC	**F 1200 - 1250**	1 HC Credit(s)

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. **Satisfies: HC Elective**

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

CRN: 17367 **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 Electrical & Computer Engineering, Chemical Engineering, Manufacturing Engineering, Mechanical Engineering, Industrual Engineering, Nuclear Engineering, and Materials Science majors/minors only. Minimum of junior standing is required. **Satisfies: HC Elective**

ME 373H *Mechanical Engineering Methods* 4 HC Credit(s)

CRN: 20156 **Section** 001 LEC **MW 1000 - 1150**

Instructor(s): Sourabh Apte

Analytical and numerical methods for solving representative mechanical engineering problems. PREREQS: ENGR 112/112H and MTH 256/256H and MTH 341. For Mechanical Engineering students only. **Satisfies: HC Elective**

ME 382H *Introduction to Design* 1 HC Credit(s)

Register for both the lecture and the lab

CRN: 13567 **Section** 001 LEC **MWF 1500 - 1550**

CRN: 13568 **Section** 010 LAB **F 1000 - 1150**

Instructor(s): Staff TBD

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 and PH 211/211H. ME 250 can be taken concurrently. RESTRICTIONS: Must be enrolled in the College of Engineering. 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)

Manufacturing, Mechanical, and Industrial Engineering students should register for ME 332H.
Nuclear Engineering students should register for NSE 332H.

ME 332H CRN: 20142 **Section** 001 LEC **TTh 800 - 950**

NSE 332H CRN: 20145 **Section** 001 LEC **TTh 800 - 950**

Instructor(s): Deborah Pence

Analyzes conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties.
PREREQS:

- **for ME 332H**: ME 331/331H or NSE 331/331H or NE 331/331H. RESTRICTIONS for ME 332H: For Manufacturing, Mechanical, or Industrial Engineering majors only. Must be enrolled in the College of Engineering. Minimum of junior standing is required.
- **for NSE 332H**: ME 331/331H or NSE 331/331H or NE 331/331H. RESTRICTIONS for NSE 332H: For Nuclear Engineering majors only. Must be enrolled in the College of Engineering.

Satisfies: HC Elective

MTH 252H *Integral Calculus* 4 HC Credit(s)

*MTH 252H **does not** have a recitation – that time is built into the lecture.*

CRN: 14182 **Section** 002 LEC **MW 1000 - 1150**

Instructor(s): Scott Peterson

The integral is the second big idea in calculus. In the same way that the derivative measures rate of change, the integral measures net change. Applications in physics, engineering and geometry are numerous. Definite integrals, elementary applications to area, force, and work. Integral tables and basic techniques of integration, calculus of logarithmic and exponential functions, polar coordinates, applications to areas, volumes, force, work, and growth and decay problems. PREREQS: MTH 251/251H. **Course Fee $10. Satisfies: HC Elective**

MTH 254H *Vector Calculus I* 4 HC Credit(s)

Choose one lecture section below.
*MTH 254H **does not** have a recitation – that time is built into the lecture.*

CRN: 11793 **Section** 001 LEC **MW 1400 - 1550** Filix Maisch

CRN: 13178 **Section** 002 LEC **MW 1200 - 1350** Hoe Woon Kim

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)

Manufacturing, Mechanical, and Industrial Engineering students should register for ME 332H.
Nuclear Engineering students should register for NSE 332H.

ME 332H CRN: 20142 **Section** 001 LEC **TTh 800 - 950**

NSE 332H CRN: 20145 **Section** 001 LEC **TTh 800 - 950**

Instructor(s): Deborah Pence

Analyzes conductive, convective and radiative energy transfer using control volume and differential analysis and prediction of transport properties.

PREREQS:

- **for ME 332H**: ME 331/331H or NSE 331/331H or NE 331/331H. RESTRICTIONS for ME 332H: For Manufacturing, Mechanical, or Industrial Engineering majors only. Must be enrolled in the College of Engineering. Minimum of junior standing is required.
- **for NSE 332H**: ME 331/331H or NSE 331/331H or NE 331/331H. RESTRICTIONS for NSE 332H: For Nuclear Engineering majors only. Must be enrolled in the College of Engineering.

Satisfies: HC Elective

PH 221H *Recitation for Physics 211*

1 HC Credit(s)

CRN: 12565 **Section** 001 REC **T 1100 - 1150**

Instructor(s): Staff TBD

Honors recitation reserved for HC students enrolled in lecture/lab sections of PH 211 or PH 211H. 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)

CRN: 17369 **Section** 002 REC **Th 1100 - 1150**

Instructor(s): Staff TBD

Honors recitation reserved for HC students enrolled in lecture/lab sections of PH 212 or PH 212H. 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 298H *Quantitative Methods in Psychological Science*

4 HC Credit(s)

CRN: 20135 **Section** 001 LEC **TTh 1200 - 1350**

Instructor(s): Jason McCarley

Foundational course explores quantitative methods in psychological science to prepare students for further study in research methods in psychological science. Topics include descriptive statistics, hypothesis testing, correlation, one-way or two-way ANOVA, regression, controversies and emerging practices in open psychological science. PREREQS: PSY 201/201H and PSY 202/202H and MTH 105 and ST 201 and (PHL 121. WR 222, or WR 327). **Satisfies: HC Elective**

PSY 399H *Honors Psychology Research*

1 HC Credit(s)

CRN: 18346 **Section** 002 LEC **M 1500 - 1550**

Instructor(s): Juan Hu

Explore opportunities in research labs and develop essential research skills necessary to be a productive member of a research team. Discuss how undergraduate theses are completed in research labs. Document skills for graduate school and job applications. **Graded: P/N. Satisfies: HC Elective**

Fall 2021 Corvallis HC Thesis/Research/Projects

HC 408 *Thesis Stage 1: Plan* 1 HC Credit(s)

CRN: 20149	**Section** 006	SEM	**M 1600 - 1650**	Jeremy Townley
CRN: 20151	**Section** 007	SEM	**T 1600 - 1650**	Rebekah Lancelin
CRN: 20152	**Section** 008	SEM	**W 1500 - 1550**	Kassena Hillman
CRN: 20153	**Section** 009	SEM	**W 1800 - 1850**	Susan Rodgers
CRN: 20154	**Section** 010	SEM	**Th 1500 - 1550**	Beau Baca
CRN: 20155	**Section** 011	SEM	**F 900 - 950** This section is for transfer students only.	Leanna Dillon

HC 408 Stage 1: Plan will introduce you to the Thesis Success in Stages (TheSIS) process, as well as to some of the research happening at OSU and how undergraduate students can take part. You'll explore ways that your own interests, academic or otherwise, can be a springboard to a thesis topic, and discover the benefits of doing a thesis that go well beyond your time at OSU. By the end of the term, you'll have a (flexible) plan of action in place for the years ahead. ***Beginning in Fall 2021, this course is required for all first-year and transfer students and must be taken within the first three terms in the Honors College. For fall term, students whose last names begin with A-G should register for one of the above sections. Section 011 is intended for transfer students.*** **Graded: P/N. Satisfies: HC Elective / Thesis**

HC 408 *Thesis Stage 2: Explore & Build* 1 HC Credit(s)

CRN: 13018 **Section** 001 HYB **W 1700 - 1750**
Meets weeks 2, 4, 6, & 10 only

Instructor(s): Kassena Hillman & Staff TBD

Thesis 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. 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. **Meets weeks 2, 4, 6, & 10 only. Graded: P/N. Satisfies: HC Thesis/Research/Projects**

HC 408 *Thesis Stage 2: Explore & Build* 1 HC Credit(s)

CRN: 18571 **Section** 400 **online**

Instructor(s): Kassena Hillman

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

HC 408 *Thesis Stage 3: Commit*

1 HC Credit(s)

CRN: 13815 **Section** 002 WS **Th 1600 - 1750**
Meets weeks 3 and 6 only

Instructor(s): Rebekah Lancelin & Michael Burgett

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

HC 408 *Thesis Stage 4: Compose & Complete*

1 HC Credit(s)

CRN: 14517 **Section** 003 WS **F 1400 - 1550**
Meets weeks 2, 4, and 6 only

Instructor(s): Beau Baca

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