

Winter 2020 Honors BaccCore Options

BA 465H **Systems Thinking and Practice** 4 HC Credit(s)

CRN: 32978 Section 001 LEC MW 1200 - 1350

Instructor(s): Jonathan King

This course will get you to “think outside the box” by examining the hard and soft systems which both sustain and constrain us. This involves learning how to identify patterns of interactions (and reactions), the increasing relevance of emotional intelligences and fight/flight responses, and the realities of “Tools ‘R Us” (how our tools and our environments determine how we think and how we act). The ultimate objective is to enhance our awareness of individual moral responsibilities and opportunities by moving beyond linear causality and the subjective-objective and fact-value dualisms that continue to plague modern thought and action. **Satisfies: HC BaccCore - Contemporary Global Issues**

BI 212H **Principles of Biology** 4 HC Credit(s)

CRN: 32198 Section 001 LEC MWF 1300 - 1350 Nate Kirk
Group Midterms

AND choose one lab section lab section:

CRN: 32199 Section 010 LAB W 1400 - 1650 Nate Kirk
CRN: 32981 Section 020 LAB Th 800 - 1050 Carmen Harjoe
CRN: 38154 Section 030 LAB F 1400 - 1650 Adam Chouinard

Cell biology, organ systems, plant and animal biology. Group Midterms Mondays 1900-2020. PREREQS: CH 121 OR CH 201 OR CH 221 OR CH 224H OR (CH 231/231H AND (CH 261/261H OR CH 271)). RESTRICTIONS: For Life Science Majors and Pre-Professional students. **Course Fee \$30. Satisfies: HC BaccCore - Biological Sciences**

CH 232H **General Chemistry** 4 HC Credit(s)

CRN: 34029 Section 001 LEC MWF 1200 - 1250 Staff TBD

AND choose one recitation section

CRN: 34145 Section 010 REC T 1400 - 1450 Staff TBD
CRN: 34146 Section 011 REC Th 1100 - 1150 Staff TBD

AND choose one of the CH 262H lab sections

CH 262H **Laboratory for Chemistry 232H** 1 HC Credit(s)

CRN: 34030 Section 010 LAB T 1500 - 1550 Staff TBD

CRN: 34031 Section 011 LAB Th 1200 - 1250 Staff TBD

Second course in General Chemistry sequence for Honors College students with one-year high school chemistry and acceptable aptitude test scores. This sequence examines the characteristics of molecular and atomic behavior and the way in which these influence chemical properties and reactions. PREREQS for CH232H: CH231/231H OR CH 221. COREQ: CH 262/262H or CH272. CH 232H and CH 262H must be taken concurrently. CH 231/231H, CH 232/232H, and CH 233/233H must be taken in order. PREREQS for CH 262H: CH 261/261H OR CH 271 OR CH 221 OR CH 224H.

Satisfies: HC BaccCore - Physical Sciences

ENG 202H **Shakespeare** 4 HC Credit(s)

CRN: 39572 Section 001 LEC MWF 1400 - 1450

Instructor(s): Tekla Bude

An introduction to the second half of Shakespeare's career. This course is designed to help students become more confident readers and audience members of Shakespearean drama by focusing on language, historical context, and staging. **Satisfies: HC BaccCore - Literature and the Arts OR Western Culture**

ES 241H **Introduction to Native American Studies** 4 HC Credit(s)

CRN: 39574 Section 001 LEC MW 1400 - 1550

Instructor(s): David Lewis

A survey of Native American cultures and history, both prior to and following contact with Europeans. Introduces the key contemporary issues and questions in the field of Native American studies. **Satisfies: HC BaccCore - Cultural Diversity**

GEOG 300H **Sustainability for the Common Good** 3 HC Credit(s)

CRN: 40351 Section 001 LEC W 1800 - 2050

Instructor(s): Steve Cook

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

HC 199 **Honors Writing** 3 HC Credit(s)*Choose one section*

CRN: 32518 Section 001 LEC MWF 1000 - 1050

CRN: 31019 Section 002 LEC MWF 1100 - 1150

CRN: 33582 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. **PREREQ: WR 121/121H. Satisfies: HC BaccCore - Writing II**

HST 425H / Holocaust in Its History 4 HC Credit(s)
REL 425H

Choose either the HST 425H section OR the REL 425H section

HST 425H CRN: 38158 Section 001 LEC TTh 1200 - 1350

REL 425H CRN: 38160 Section 001 LEC TTh 1200 - 1350

Instructor(s): Kara Ritzheimer

An inquiry into the causes, course, and impact of the Holocaust. The general theme of anti-Semitism in European history is explored for background. Topics discussed for comparative purposes include anti-Semitism in American history; other episodes of mass murder in the 20th century. **Satisfies: HC BaccCore - Contemporary Global Issues**

HSTS 417H History of Medicine 4 HC Credit(s)

CRN: 39581 Section 001 LEC TTh 1000 - 1150

Instructor(s): Linda Richards

History of medical theory and the changing role of the physician; internal development of medicine as a discipline as well as a profession; relationship of medicine's development to general changes in science and culture. **Satisfies: HC BaccCore - Science, Technology, Society**

MUS 101H Music Appreciation: A Survey 3 HC Credit(s)

CRN: 37805 Section 001 LEC MWF 900 - 950

Instructor(s): Kimary Fick

Dealing primarily with the Western classical tradition, the course focuses on developing perceptive listening skills through the study of musical forms and styles. This course will involve greater student engagement through a variety of teaching methods. In addition to traditional lectures, students will participate in active, small-group discussions; present group presentations; write short, in-class responses to readings; attend local concerts; and write a concert review. **Satisfies: HC BaccCore - Literature and the Arts**

PAC 293H Interdisciplinary Yoga: Mindfulness 1 HC Credit(s)

CRN: 37806 Section 001 ACT T 1400 - 1550

Instructor(s): Tsipora Claudia Berman

Journey to the seen and the unseen through a multi-sensory, interdisciplinary, transformative study of mindfulness utilizing a fun, creative variety of individual and group mind & body practices applicable to everyday life and across academic disciplines. Develop your imagination, intuition, inspiration, integration, and interpretation including 15 sensory perceptions to live to your highest potential with resilience to navigate the challenges of personal and professional endeavors. You will unravel the mysteries of why the 8,000-year-old science of Yoga is all encompassing, integrated with Positive Psychology, Physics, Neuroscience, Human Biology, and grounded in the eight-part awakening process. This course is designed to introduce students to the practice and understanding of interdisciplinary yoga with a focus on mindfulness skills. The style of yoga presented in this course originated in India thousands of years ago. It is one of the oldest systems for personal development in the world, encompassing body, mind and spirit. This course is an integrated, experiential, multisensory study of mindfulness principles through the experience of the basic level 1 Yoga postures, various forms of meditation, breathing practices, reflection and sharing. Based on broad, all-welcoming, practice of Kripalu Yoga, Experience the smoothness of vinyasa flows, the intensity of holding postures and the freedom of your own personal style: Asana, Breath, and Meditation all happen simultaneously.

Each class will include: coming into the present moment by centering the body, mind, and breath; warm-up exercises that synchronize breath with movement as means of inducing concentration and preparing the body; creative asana sequences designed to stretch, strengthen and balance the body including. Classes often include meditation-in-motion and close with integration through relaxation and meditation. **Course Fee: \$49. Satisfies: HC BaccCore - Fitness**

PAC 325H**Wilderness First Aid**

1 HC Credit(s)

CRN: 39591

Section 001

ACT

Th 1100 - 1250

Required all-day field trip Saturday, Feb. 22nd

Instructor(s): Sheila Evans

Crunch! Ugh... Ouch! Do you recreate with accident-prone friends or family? Do you spend any time playing the outdoors? Knowing the fundamentals of emergency care in non-urban environments are useful skills. Backcountry emphasis with long-term care and evacuation complications makes this course unique. There will be a number of outdoor sessions so come prepared with "grubby" clothes that will get dirty or fake-bloody. The course has two components: knowledge as evidenced by performance on written exams and quizzes and practical skills as demonstrated throughout the course and on the final exam. This course covers the fundamentals of emergency care in a non-urban environment, including physiology, injury assessment, short term care, anatomy, and small group rescues. While much of the material appears to be standard emergency care information, the backcountry emphasis with long-term care and evacuation complications makes this course unique. Required all-day field trip Saturday, Feb. 22nd. **Course Fee: \$167**
Satisfies: HC BaccCore - Fitness

PH 213H**General Physics with Calculus**

4 HC Credit(s)

CRN: 39994

Section 001

LEC

MWF 1300 - 1350

AND choose one lab section

CRN: 40071

Section 010

LAB

W 1400 - 1550

CRN: 39995

Section 020

LAB

W 1600 - 1750

Instructor(s): Staff TBD

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: MTH 254/254H and PH 211/211H and PH 212/212H. **Satisfies: HC BaccCore - Physical Sciences**

PH 222H**Recitation for Physics 212**

1 HC Credit(s)

CRN: 32777

Section 001

REC

T 1100 - 1150

Instructor(s): Staff TBD

Honors recitation reserved for HC students enrolled in lecture/lab section 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 BaccCore - Physical Sciences**PH 223H****Recitation for Physics 213**

1 HC Credit(s)

Choose one section

CRN: 32776

Section 001

REC

Th 1100 - 1150

CRN: 40276

Section 002

REC

Th 1400 - 1450

Instructor(s): Staff TBD

Honors recitation reserved for HC students enrolled in lecture/lab section of PH 213 or PH 213H. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. COREQ: PH 213/213H. **Graded:**

P/N. Satisfies: HC BaccCore - Physical Sciences

PH 313H **Energy Alternatives** 3 HC Credit(s)
 CRN: 37807 Section 001 LEC TTh 830 - 950
 Instructor(s): Randy Milstein

Exploration of the challenges and opportunities posed by dwindling resources; physical and technological basis of our current energy alternatives; new or controversial technologies such as nuclear or solar power; overview of resource availability, patterns of energy consumption, and current governmental policies. RECOMMENDED PREREQS: Upper-division standing and 12 credits of introductory science. **Satisfies: HC BaccCore - Science, Technology, Society**

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

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

PHL 160H CRN: 35884 Section 001 LEC TTh 1000 - 1150
 REL 160H CRN: 35885 Section 001 LEC TTh 1000 - 1150
 Instructor(s): Eliza Barstow

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**

PS 110H **Governing After the Zombie Apocalypse** 3 HC Credit(s)
 CRN: 39854 Section 001 LEC W 1600 - 1850
 Instructor(s): Rorie Solberg

It is 2065 and the survivors of the global pandemic have decided to organize a government. You have been selected to represent your region at the upcoming constitutional convention as a constitutional delegate. To do so, you need to organize your travel to the city of New Corvallis and arrive by the second week of January. During the 2.5 months set aside for the convention, delegates will learn about the basic building blocks of government and how governmental institutions and structures create, reflect and reinforce systems of power, privilege and difference. Then, working first with your regional delegation, you will draft a new constitution and bill of rights and present your constitution to the entire delegation. Then, we will come together in a full constitutional convention to deliberate and compromise on a new founding document and a new government. **Satisfies: HC BaccCore - Difference, Power, and Discrimination**

PS 366H **From Atlantis to Utopia: The Politics of the Ideal State** 4 HC Credit(s)
 CRN: 39872 Section 001 LEC TTh 1400 - 1550
 Instructor(s): Philipp Kneis

The search for the ideal state has occupied political philosophy since antiquity. From Plato's *Atlantis* story through More's *Utopia* and beyond, philosophers, writers and filmmakers have pondered how to create a perfect state with perfect citizens which will stand the test of time. Each week will combine theoretical reflections from antiquity through post-modernity with a selection of examples from more or less contemporary fiction that will ideally already be known to the audience. **Satisfies: HC BaccCore - Social Processes and Institutions**

PS 375H**Civil Rights Movement and Policies**

4 HC Credit(s)

CRN: 39592 Section 001 LEC MW 1200 - 1350

Instructor(s): Doug Clark

This course examines the political and social origins of the modern US civil rights movement and the public policy consequences of the civil rights struggle, circa: 1945 to the present. We specifically evaluate the public policies produced by the struggle including the Civil Rights Act of 1964, the Voting Rights Act of 1965 and the equal protection battles relating to gender equality, gay rights, economic justice and immigration. We're particularly interested in the strategies and tactics that produced the dramatic public policy victories designed to overcome inequalities in education, public facilities, voting, and housing. Just as significant are the strategies and tactics employed in the counterattack, the Second Redemption that frustrated the implementation and enforcement of civil rights principles and ended what had been optimistically seen as a Second Reconstruction. This counterattack has continued with the radical downgrading of the Civil Rights Division of the US Justice Department and the reduction in the energy and resources put into the reform of police departments since the 2016 general election.

So, where are we today? Do the current battles from the streets to the courts over marriage equality, police violence, mass incarceration, voter suppression, school failure, and economic inequality indicate a new civil rights agenda sixty years later? Does the current activism in the form of groups such as Black Lives Matter, Equality Federation, Lawyers for Equality, Dream Defenders, BYP100, HandsUp United, and Million Hoodies Movement for Justice, represent a new....a different... civil rights movement? Add in the grass roots mobilization leading to the electoral successes of the 2018 mid-terms and discussion of a Third Reconstruction can be predicted. **Satisfies: HC BaccCore - Difference, Power, and Discrimination**

**REL 425H /
HST 425H****Holocaust in Its History**

4 HC Credit(s)

Choose either the REL 425H section OR the HST 425H section

REL 425H CRN: 38160 Section 001 LEC TTh 1200 - 1350

HST 425H CRN: 38158 Section 001 LEC TTh 1200 - 1350

Instructor(s): Kara Ritzheimer

An inquiry into the causes, course, and impact of the Holocaust. The general theme of anti-Semitism in European history is explored for background. Topics discussed for comparative purposes include anti-Semitism in American history; other episodes of mass murder in the 20th century. **Satisfies: HC BaccCore - Contemporary Global Issues**

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

4 HC Credit(s)

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

REL 160H CRN: 35885 Section 001 LEC TTh 1000 - 1150

PHL 160H CRN: 35884 Section 001 LEC TTh 1000 - 1150

Instructor(s): Eliza Barstow

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**

TA 360H **Multicultural American Theatre**

3 HC Credit(s)

CRN: 39594 Section 001 LEC TTh 1400 - 1520

Instructor(s): DeMara Cabrera

In this seminar-style class we will use theatre as a means of discussing and understanding multiculturalism in America. We will look at theatre that represent a variety of cultures and students will present on the issues in the plays (such as civil rights movements, violence against a particular group of people, key moments in US history, etc). For example, the play *Twilight: Los Angeles* examines the riots in Los Angeles in 1992. We will learn about the events explored by this play as well as current issues surrounding police violence and Black Lives Matter. We will also watch films adaptations of plays. In watching *M. Butterfly* we will discuss themes of gender identity and sexuality, as well as the fetishization of eastern cultures. **Satisfies: HC BaccCore - Difference, Power, and Discrimination**

WGSS 340H **Gender and Science**

3 HC Credit(s)

CRN: 39983 Section 001 LEC T 1600 - 1850

Instructor(s): Kryn Freehling-Burton

Analyzes the relationship between society and science by explaining technology and science as gendered practices and bodies of knowledge. Focuses on the ways the making of women and men affect the making of science and explores the roles of women in scientific pursuits. **Satisfies: HC BaccCore - Science, Technology, Society**

WR 121H **English Composition**

3 HC Credit(s)

WR 121H is NOT restricted by last name

CRN: 39595 Section 001 LEC TTh 1200 - 1320

Instructor(s): Clare Braun

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

WR 327H **Technical Writing**

3 HC Credit(s)

CRN: 40070 Section 001 LEC MWF 1000 - 1050

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. 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. PREREQS: WR 121/121H. RESTRICTIONS: Minimum of sophomore standing required. **Satisfies: HC BaccCore - Writing II**

Winter 2020 Honors Colloquia Options

BB 407H ***Learn to Love Your Lying Eyes (and Brain)*** 2 HC Credit(s)

CRN: 39571 Section 001 SEM F 1000 - 1150

Instructor(s): Kenton Hokanson

We humans can pick a single voice out of a noisy room, instantly recognize a childhood friend, and easily read messages in words. 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**

BOT 407H ***Mount St. Helens: 1980 Eruption, Societal Reaction, and Ecological Response*** 1 HC Credit(s)

CRN: 37794 Section 001 SEM T 1400 - 1550

Meets weeks 1-5 only

Instructor(s): Donald Zobel

The class commemorates the 40th anniversary of the May 18, 1980 eruption of Mount St. Helens, Washington, which was the most destructive natural event of the century in the Pacific Northwest. It has incited curiosity and awe in those who witnessed the event and encountered its aftermath. We will study the geologic events of 1980; their effects on people and ecosystems; and the biological, literary, and societal responses to the eruption. We will seek "messages from the mountain"—what lessons have been drawn by scientists and the public? And we will discuss what we think those lessons should be. Meets weeks 1-5 only. **Graded: P/N. Satisfies: HC Colloquia**

ENGR 299H ***Design Thinking in Teams*** 2 HC Credit(s)

CRN: 39573 Section 001 SEM F 1000 - 1150

Instructor(s): Belinda Batten

The objective of this course is to introduce the formal design process and to explore how team composition and dynamics affect the end product. Customer requirements and designing for diverse user populations will be explored. The concepts will be presented through lecture but will be developed through class discussion. The culminating activity will be a team design competition. Each student will be expected to keep a journal and reflect on topics discussed in class. In addition to the student's reflections, there will also be prompts provided in class to which each student will be expected to respond in their journal. **Satisfies: HC Colloquia**

HC 299 **Building Hope: International Service Learning - Impact** 1 HC Credit(s)CRN: 34465 Section 001 SEM Th 1400 - 1550
Meets weeks 1-5 only

Instructor(s): David Kovac

The Building Hope program features one colloquium each term that's focused on a different aspect of international service learning, as well as an optional international service learning trip during spring or summer break. The goals of the overall program are to help students gain an appreciation and understanding of the complexities of service work in international communities while encouraging students to consider "internationalizing" their academic coursework or Honors Thesis. This particular colloquium focus on the concept of impact – identifying and distinguishing the impact of service on individual, group, community, and societal structures. The colloquia for other terms focus on culture and team skills. The colloquia can be taken at any time and do not need to be taken as a series or in any particular order.. Meets weeks 1-5 only. **Satisfies: HC Colloquia**

HC 299 **Leadership: Two Perspectives** 1 HC Credit(s)CRN: 40204 Section 002 SEM M 1400 - 1550
Meets weeks 1-5 only

Instructor(s): Toni Doolen & Scott Ashford

Today's organizations are complex, utilizing structures that cross cultural, national, and functional boundaries. Leaders in organizations must be able to navigate these complex structures, while understanding that that organizations are comprised of individuals. Students in this course will examine different aspects of leadership and explore multiple perspectives on what creates/constitutes an effective leader. Students will be provided multiple opportunities to reflect on how to develop and grow their own leadership capacity. This course will be co-taught by Dr. Ashford, Dean of the College of Engineering and Dr. Doolen, Dean of the Honors College and Dean of the College of Education. Meets weeks 1-5 only. **Graded: P/N. Satisfies: HC Colloquia**

HC 299 **The Art of Healing** 2 HC Credit(s)

CRN: TBD Section 003 SEM TTh 1600 - 1650

Instructor(s): Courtney Campbell

This is a special colloquium on the art of healing in medicine open to interested honors, medical humanities, and pre-medical students. The focus of the colloquium is medical ethics, which will be explored through readings and illustrative films. The topics in medical ethics for class discussion include physician-patient relationships, reproductive technologies, medical research, genetic engineering, and end-of life issues. These issues will be discussed in class and illustrated through (required) attendance at screenings of the following films: *The Cider House Rules*, *The Doctor*, *Gattaca*, *Million Dollar Baby*, and the documentary, *How to Die in Oregon*. **Satisfies: HC Colloquia**

HC 407 **How Your 'In' Group Influences You** 2 HC Credit(s)

CRN: 37799 Section 001 SEM F 1000 - 1150

Instructor(s): Dan Arp

We all belong to one or more 'in' groups. We share values, ideals, and opinions with others in the group. Examples can include belonging to religious groups, political groups, and socioeconomic groups. We identify with these groups and they strongly influence how we think about particular issues, often more than we realize. We reinforce each others' thinking. But what happens when data or evidence challenges the thinking of the group? How do individuals within the group respond and how does the group respond? As different 'in' groups become more polarized from other groups, how do we initiate dialogues to find common ground and advance needed changes? The class will explore various examples of such 'in' groups, how the opinions of the group are reinforced by social media, targeted news outlets and other sources, and what it takes for a group to alter its thinking. Learning objectives will be met with in class discussions, out-of-class readings, and writing assignments. **Satisfies: HC Colloquia**

HC 407 **White Supremacy and the State of Oregon**

2 HC Credit(s)

CRN: 37800 Section 002 SEM MW 900 - 950

Instructor(s): Eliza Barstow

This course offers insight into the development of racial categories and racial discrimination in the United States and, more specifically, within Oregon. In this class, students will study the history of racism in the United States and, more specifically, within the state of Oregon. In addition to reading texts written by historians, students will also read a number of articles published by contemporary media, and they will also read some documents (for example, the reports surrounding the renaming of buildings at OSU) pertaining to OSU. We will also have regular visits from guest speakers in this class: The speakers will address topics such as racism in Corvallis, strategies for being an activist, and ways that OSU is making efforts to deal with the history of racism. Finally, this class will involve engaged, hands-on learning insofar as students will work in pairs to design and implement a project that seeks to combat racism at the local (Corvallis or perhaps Oregon as a whole) level. **Graded: P/N. Satisfies: HC Colloquia**

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

2 HC Credit(s)

CRN: 33412 Section 003 SEM 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 **Advancing Our Knowledge of Earth and Beyond: Satellite Missions**

2 HC Credit(s)

CRN: 36697 Section 004 SEM Th 800 - 950

Instructor(s): Nancy Squires

Space missions have always been a source of knowledge and inspiration. Satellites serve to communicate signals and allow us to access and exchange information globally. Satellites have advanced our knowledge of the earth's weather and global warming. Furthering our knowledge of the solar system and beyond is made possible with satellites that process images and signals from space. The course will begin with an overview of the launch mission, the fundamentals of orbital mechanics, and satellite power systems and explore the design of past, present and future space missions. Missions such as Voyager, New Horizons, the International Space Station, and the James Webb telescope will be discussed. Current industry and research practices of satellite mission design will be explored. **Satisfies: HC Colloquia**

HC 407 **Energy IQ: The Changing Energy Landscape**

2 HC Credit(s)

CRN: 33583 Section 005 SEM T 1600 - 1750

Instructor(s): Skip Rochefort

The goal of this class is to make each one of you an informed citizen of the world with respect to energy issues. We will take both a qualitative and quantitative look at energy resources and uses in the United States. We will consider how energy is generated or obtained and consumed in the US. We will also explore the global implications of energy use and consumption. We will examine predominant and emerging technologies on both the resource and consumption sides. We will also examine the role of ethics, values, and public policy in influencing choices regarding energy use. Students will participate in and lead discussions, give presentations, and generate a personal energy philosophy/statement.

Satisfies: HC Colloquia**HC 407** **Historical Fictions and Fictional Histories**

2 HC Credit(s)

CRN: 36698 Section 006 SEM Th 1000 - 1150

Instructor(s): Thomas Bahde

We live in a culture dominated by fake news, alternative facts, Deepfakes and the constant spinning of spurious personal narratives on social media, so perhaps it is comforting to realize that the line between fact and fiction has never been especially stable. This course uses historical stories -- both factual and fictional -- to examine an age-old problem: how to craft "true" stories from apparently endless sources, experiences, and interpretations. This is a question at the core of both literature and history, and an essential perspective on navigating the world of the 21st century. Concepts of authorship, authority, and authenticity seem more important and more fluid than ever, and the stakes of establishing the "real" seem particularly high. Yet even our own personal experiences, memories, life histories, and narratives are unique and constantly changing, so how can we ever agree on any singular version of reality, past or present? Our examination of this and other big questions takes the form of weekly readings and discussions in a format similar to a book club. Students will also have the option to create a piece of original historical fiction as a final project.

Graded: P/N. Satisfies: HC Colloquia**HC 407** **Folly's Mirror: The Power and Reach of Contemporary Satire**

2 HC Credit(s)

CRN: 36187 Section 007 SEM T 1000 - 1150

Instructor(s): Rob Drummond

College students are increasingly turning to satirical news outlets—from *The Daily Show* to *The Onion* to *SNL's Weekend Update*—not just for laughs, but as a primary source for political news and analysis. In this course, we'll examine how such satire works and what makes it so effective. Our investigation will include a variety of (mostly) contemporary satirical sources (Monty Python, Samantha Bee, *Get Out*, *Bojack Horseman*, and more) to understand what satire is, and just as important, what it is not. Our goal by term's end will be for all of us to walk away with a more sophisticated grasp of satire and its power to expose folly and provoke change. **Graded: P/N. Satisfies: HC**

Colloquia

HC 407**Science, Ethics, and Star Trek**

1 HC Credit(s)

CRN: 36699 Section 008 SEM Th 1400 - 1450

Instructor(s): Diana Rohlman

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

HC 407**The Hidden History of Women at OSU**

2 HC Credit(s)

CRN: 36700 Section 009 SEM W 1000 - 1150

Instructor(s): Tiah Edmunson-Morton & Chris Petersen

Women have been fundamental to OSU's story since it was founded in 1868, but too often their achievements, struggles and day-to-day experiences have been omitted from mainstream accounts of the university's history. This class seeks to uncover pieces of this rich but hidden historical narrative by focusing on the themes and individuals who have shaped the academic and social milieu for women at OSU for more than 150 years. Specific topics include the rise and fall of Home Economics as the predominant form of academic engagement for women faculty and students; the strict formal rules and social controls that traditionally governed women's lives on campus; the hugely significant impact made by Title IX on all manner of campus activities beginning in the mid-1970s; and the struggle against sexism and sexual violence that was spearheaded by the Women's Center around the same time, and that reached its crescendo in the late 1990s. Students in the class will also contribute to the historical record by conducting an oral history interview with a woman who is somehow connected with OSU, contextualizing that interview, and making it available on a dedicated web portal. Taught by two archivists and experienced oral historians, the class takes a combined approach to instruction, making use of lectures, historic images, film clips, discussion and document analysis to explore topics related to women's history, as well as the practice and theory of oral history. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Data Driven Enchanted Objects**

2 HC Credit(s)

CRN: 36701 Section 010 SEM T 1600 - 1750

Instructor(s): Chet Udell

“Any sufficiently advanced technology is indistinguishable from magic.” -Arthur C Clarke. 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. From *Harry Potter* to *Hunger Games*, magical objects are not only ubiquitous in our popular culture, but have also fundamentally transformed the products we use and the things we can do in daily life. Shoes keep track of how far and fast we run, watches detect when their bearer has heart trouble, and you can click your heels three times (to send an emergency call to your phone) to get out of a meeting or bad date. While technologies and the words we use to describe them may evolve, our desire to acquire objects that augment our capacities to gain knowledge, communicate, protect, and create have remained largely consistent throughout recorded history and across cultural barriers. Enchanted objects that facilitate these wishes are extant in our folklore, mythologies, epic poems, religious texts and can be found in much of our earliest recorded literature. We'll supplement and inform our project experiences through reading and video excerpts you select to investigate a variety of magical objects and their real-world counterparts throughout history. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 **Sacred Places: Links to Ancient Astronomy** 1 HC Credit(s)

CRN: 34466 Section 011 SEM T 1300 - 1350

Instructor(s): Randy Milstein

A survey of sites, megaliths, caves, mountains, and structures considered sacred to human cultures. What do the caves of Lascaux, France; the pyramids of Giza, Egypt; and the temples of Teotihuacan, Mexico have in common? Why are Stonehenge and Calanish in Great Britain significant to Celtic culture and modern geologists and astronomers? Mecca, Rapa Nui, Angkor Wat: why are these loci for our curiosity and philosophical attention? The one thing all these sites, and many more, have in common is a link to ancient astronomical observations. This colloquium is not a survey of competing spiritual philosophies, but a discussion of what makes such sacred sites significant historically, scientifically, and culturally, especially as they relate to ancient astronomy. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 34467 Section 012 SEM Th 1300 - 1350

Instructor(s): Randy Milstein

The good, the bad, the inventive, and the absolutely awful examples of “science” portrayed in science fiction films, television shows, comic books, and literature. Aliens, light sabers, space battles, gravity drives, warp speed, laser beams, star gates, and worm holes; what’s real, what’s a possibility, what’s speculation, and what is impossible. There is a co-dependency between science and science fiction. Many scientists and engineers acknowledge science fiction helped spark their imaginations of what might be possible in science. And science fiction authors are inspired by future science possibilities, but how do novel scientific ideas get into SciFi authors’ heads in the first place? Discussion and viewing of some of our favorite and least favorite science fiction, so we know what to look for while enjoying modern society’s best loved metaphors and mythologies. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 **Reimagining the City** 2 HC Credit(s)

CRN: 37801 Section 013 SEM W 1400 - 1550

Instructor(s): Holly Campbell

Cities in the United States and abroad are fast becoming innovation leaders. This course engages students in an interdisciplinary look at the city as environment (engineering, design and planning, cultural services, governance and environmental science, urban farms, energy, and water treatment). There is so much coming out about these topics every week that it is challenging to keep up – it’s fascinating, exciting and inspiring particularly to upcoming leaders and professionals. This colloquium should have broad appeal across the humanities, sciences and social sciences, and subdisciplines of engineering. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 **After Study Abroad** 1 HC Credit(s)

CRN: 40206 Section 014 SEM W 1000 - 1150

Instructor(s): Kendra Sharp

Meets weeks 6-10 only

Have you participated in a study abroad program or an international academic experience? Would you like to think more about that experience and how it affected you and your perspective on the world? Then this colloquium is designed for you! Each week, we will explore a topic related to international education--such as personal development, intercultural learning, or social justice--through in-class discussions and activities as well as brief written reflections in a “post-travel journal.” We will also read recent research on study abroad programs and their impacts in order to consider how that research captures our experiences (or doesn’t). For the final project, you will take into account what you’ve learned from the readings, reflections, and discussions to design your ideal international program and present it to the class. Meets weeks 6-10 only. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Found Objects: Material Culture, Meaning, and Memory***

2 HC Credit(s)

CRN: 37802 Section 015 SEM Th 1000 - 1150

Instructor(s): John Campbell

In this course, we'll explore ways in which we construct meaning with objects. We won't focus on art objects per se, but rather on "found objects:" natural objects or cultural artifacts not originally intended as art, but nonetheless selected for their aesthetic or cultural value. Beginning with examples of found objects from art history and natural history, we'll practice descriptive, analytical, and interpretive skills via close observation, discussion, writing, informed speculation, and imaging. Then we'll move to specific objects of your choosing, applying interdisciplinary approaches to describe, interpret, analyze, and appreciate the objects in various physical and temporal contexts. We'll explore such concepts as materiality, ephemerality, and memory, while "placing" the objects in both possible and imagined contexts in order to derive meaning and pleasure from them. Ultimately, you'll present your found objects to the colloquium, using interdisciplinary and perhaps multi-media modes (text, image, oral narrative, etc.) to convey connection, appreciation, creative analysis, and focused speculation, as well as to promote further inquiry into objects in general. Found objects, unlike ideas, do not morph to meet our agendas or expectations. They are demanding in their physicality, even as they are utterly open to interpretation or use. But our ideas about them are not the objects themselves. In contemplating objects, we inhabit that liminal space between the material and the interpretive—a fluid and fecund zone from which meaning arises. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Mental Disability and Well-being in America: Emerging Dilemmas***

2 HC Credit(s)

CRN: 39575 Section 016 SEM W 1400 - 1550

Instructor(s): Ray Tricker

This course will provide students with opportunities to study evolving relationships between the pharmaceutical industry, the medical profession in psychiatry, the NAMI, the MIMH and the mentally disabled and their families; since deinstitutionalization in the 1950s. Selected different mental disorders will be studied to provide a framework for this course. **Graded: P/N. Satisfies: HC Colloquia**

HC 407***Semiotics***

1 HC Credit(s)

CRN: 38155 Section 017 SEM F 1300 - 1350

Instructor(s): Eric Hill

How would you interpret a "thumbs up" sign? Does it mean approval? Time to surface? Someone needs a ride? When it comes to signs, context can be everything. Semiotics began as a study of linguistics, but has grown to include the study of different sorts of signs (icons, indices, symbols), of how meaning is communicated in various ways. We will be looking at examples of signs, systems of sign making, cultural contexts, miscommunication, and more. Our age of visual literacy makes semiotics more significant (yes, that was a pun) than ever before. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Translations**

2 HC Credit(s)

CRN: 36703 Section 018 SEM MW 1300 - 1350

Instructor(s): Eric Hill

This course will examine the various processes of translation, literally and figuratively. We perform acts of translation whenever we read, write, listen, or speak. Translation is not just restricted to deciphering a foreign language; it also applies to understanding jargon, colloquialisms, slang, euphemism, idiomatic expressions, gestures, and images, and more. Students will look at how we use and think (or sometimes how we don't think) about translating various forms of communication. We will begin with some fundamental concepts that will include etymology, grammar, dialect versus language, and some historical background of the evolution and commonality of languages. Since we will be looking at the concept of translation in this broad sense, students need not necessarily speak a language other than English to take this class. In fact, we will also be discussing the various Englishes we all speak. Students will be asked to critically examine examples of translation and writings about translation. They will write about and present examples of how language works in a variety of contexts. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Science Journal Club**

2 HC Credit(s)

CRN: 39576 Section 019 SEM TTh 1500 - 1550

Instructor(s): Christopher Mathews

A journal club is an activity in which members who share a common scientific interest meet periodically to discuss recent publications in the field of interest. In this colloquium, the members take all of science as the field of interest. We do this by reading current issues of *Science*, the weekly newsmagazine of the American Association for the Advancement of Science. Each student will select articles of his/her own choosing and deliver brief oral reports in class (four during the term), each to be followed by general discussion of the article. Articles selected may be either general, aimed at the educated lay public, or more technical. All presentations, however, must be intelligible to undergraduates who may be taking their first college-level science courses. Examples of topics covered in presentations could include DNA robotics, earthquake prediction, the obesity epidemic, ancient DNA and human evolution, teaching evolution in public schools, issues connected with mass vaccination, maintenance of forensic DNA data banks, ethical aspects of publication in science, the microbiome and human health, research funding issues, or science of climate change. **Satisfies: HC Colloquia**

HC 407**Myth, Mothers, & Monsters**

2 HC Credit(s)

CRN: 39577 Section 020 SEM M 1400 - 1550

Instructor(s): Jennifer Richter

In this course, we will study contemporary poetry collections framed by Greek myths such as Persephone and Demeter, Orpheus and Eurydice, and Theseus and the Minotaur. Through in-depth discussions and weekly creative assignments, we'll consider where we might step into a myth's narrative to better understand our own. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Toy-Based Technology for Children with Disabilities 2 HC Credit(s)

CRN: 37803 Section 021 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 Life - The Biosphere Through Space and Time 2 HC Credit(s)

CRN: 39578 Section 022 SEM M 1000 - 1150

Instructor(s): Stephen Atkinson

Life - What is it? Where does it come from? How do we classify it? You will gain an enhanced appreciation for the astonishing complexity of Earth's biosphere, at its many spatial and temporal scales. Learning units 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. This colloquium series should satisfy anyone who is curious about the living world in and around them. Students with non-science/biology/art backgrounds are most welcome! A typical class will involve a seminar on the weekly topic, student presentations, group discussions and hands-on art-centric activities. Assessment will be through online quizzes and creative assignments that include: short oral presentations, basic art creations using different media and note-taking in your class journal. There will be no mid- or final- exams, but participants will have to submit their class journal and an art piece for grading at end-of-term. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Language and Identity: How We Speak and Who We Are 1 HC Credit(s)

CRN: 39579 Section 023 SEM Th 1200 - 1350

Meets weeks 1, 3, 5, 7, and 9 only.

Instructor(s): Amanda Kibler

What do the ways we use language say about who we are? And how can language serve to both draw us together and set us apart? In this colloquium, students will have an opportunity to develop a multifaceted understanding of the relationships between language and identity and to engage in sociolinguistic fieldwork aimed at deepening their understanding through hands-on learning. Students will first read and discuss foundational theories and concepts in linguistics and sociolinguistics, exploring the Sapir-Whorf hypothesis and more recent theories focused on the social construction of language and identity, including the work of scholars who consider the learning and use of different languages as well as social and regional dialects/varieties of a particular language. Students will then engage in a field project that allows them to explore aspects of their own languages and identities by collecting data and reflecting upon it. Meets weeks 1, 3, 5, 7, and 9 only. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Last Year Experience**

2 HC Credit(s)

CRN: 36333 Section 024 SEM T 1000 - 1150

Instructor(s): Don Johnson

The Last Year Experience seminar is intended to better prepare you for your transition to post-college and into your career. You already possess a level of skill and creative thinking that will lead you to your self-defined level of success. The goal of this seminar is to help you identify and display your talents and, hopefully, support your understanding and comfort around transitioning into "life after college." Elements of the course include: support from the Oregon State University Alumni Association, personal finances, considering a GAP Year, making connections to your career world, conversation with OSU Alumni, how to define and display the nature of yourself and your skills, and considering where to physically spend life. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Publishing Underground: Publishing Technology and Radical Reform**

2 HC Credit(s)

CRN: 37078 Section 025 SEM T 1200 - 1350

Instructor(s): Kelly McElroy & Korey Jackson

From punk counterculture and zines to #blacklivesmatter and Twitter to anti-lynching activism and pamphleteering in the U.S. -- how have activists made their voices heard through specific kinds of publishing? And how have their strategies created new types of publications, even entirely new genres? This course explores different modes of publishing the voices of historical and contemporary social reform and the technologies that enable them (moveable type and the printing press, xerography/photocopying, desktop printers, and web-based platforms). Each week we will take on a particular publication coming out of a particular social movement, discovering just how the politics of activism are informed by (and themselves inform) a wide variety of publication techniques and technologies. We will explore not only the use of various publishing formats but also how institutions of power have reacted to their use, and how such publications have been censored or co-opted. We will also be looking at how certain publishing formats privilege specific kinds of literacy and literate populations. The course covers a lot of territory -- both geographical and chronological -- but our focus will be less on broad historical analysis and more on what each publishing format/technology can tell us about its particular context. There will also be ample opportunity to try your hand at creating your own publications using the technologies discussed in class. At the end of the term you'll have the chance to create a final project using one of the publishing methods from class, addressing a social movement or social justice issue you're passionate about. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Technology and the Good Life**

2 HC Credit(s)

CRN: 39580 Section 026 SEM Th 1400 - 1550

Instructor(s): Kenneth Funk

We all seek the Good Life, a life wherein our material needs are met and certain higher goods are realized, and, for many of us, technology has become a chief, if not the pre-eminent, means to it. But technology can also be an impediment to the Good Life and the roots of this ambivalent nature of technology may lie in our own fallibilities, mental and moral. In this colloquium, we will discuss the Good Life, why technology can be both means and impediment to it, and how to make technology more of the former and less of the latter. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**What Is Creativity?**

1 HC Credit(s)

CRN: 40205 Section 028 SEM W 1600 - 1650

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 in-class written reflections, small-group and class discussions, informal presentations, and a final creative project. **Graded: P/N. Satisfies: HC Colloquia**

HC 407**Imaging the Universe**

1 HC Credit(s)

CRN: 38282 Section 030 SEM W 1700 - 1750

This class has multiple field trips during class and optional field trips outside of class

Instructor(s): Tom Carrico

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

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

2 HC Credit(s)

CRN: 39873 Section 400 online

Instructor(s): Katherine Hubler

A "virtual tour" of Anne Frank's hiding place. Conversations with 3-D avatars of actual Holocaust survivors. Tweets from now-deceased Jewish passengers of the ill-fated St. Louis cruise-liner, forced to return to Europe on the eve of WWII after being denied entry into Cuba, the US, and Canada. As the World War Two era fades deeper into the recesses of the 20th century and the last survivors of Nazi persecution approach their nineties, scholars and educators are turning increasingly to the digital to preserve evidence, raise awareness, and prompt sober reflection about the Holocaust. While the technologies have become more sophisticated, new forms of media have actually been central to efforts to record survivor testimonies and bring perpetrators to justice since the end of World War Two. This class explores the historical intersection of the Holocaust and new media. It will also analyze how social media, visualizations, virtual reality, and artificial intelligence are currently being used by Holocaust researchers and educators during a time when awareness about the Holocaust is fading and antisemitic incidents are on the rise. ***This is an Ecampus course. Tuition rates for Ecampus courses are different than on-campus courses and can be found at ecampus.oregonstate.edu/services/tuition.*** **Satisfies: HC Colloquia**

PH 407H**The Weird World of Quantum Mechanics**

1 HC Credit(s)

CRN: 35407 Section 001 SEM F 1400 - 1450

Instructor(s): Albert Stetz

Are photons real? Can you change the past by doing an experiment in the present? Can you kill Schrodinger's cat by looking at it? Is it true that a watched pot never boils? Can you send quantum information faster than the speed of light? Quantum mechanics is so weird, what is reality really like? These and many related questions have intrigued scientists since the birth of quantum mechanics almost a century ago. Much progress has been made, but there is a sense that we must drastically revise our understanding of reality, and no one is quite sure how to do that. These questions are partly philosophical and partly technical, but the technical part can be understood with a minimum of math and physics. In this course we will review the most bizarre aspects of quantum mechanics, look at the experiments that have been done to elucidate them, and discuss the philosophical ramifications. **Satisfies: HC Colloquia**

Winter 2020 Honors Elective Options

BA 161H	<i>Innovation Nation - Awareness to Action</i>			2 HC Credit(s)
CRN: 36903	Section 019	REC	F 0900 - 0950	Sandra Neubaum
	<i>AND choose one lecture section</i>			
CRN: 36894	Section 010	LEC	TTh 1100 - 1150	Amy Neuman
CRN: 36897	Section 012	LEC	TTh 1300 - 1350	Amy Neuman
CRN: 36901	Section 014	LEC	TTh 1400 - 1450	Amy Neuman

First course in a two-course sequence. Begins a conversation on self-management, offering opportunities for active reflection on critical skill sets necessary for success in today's global market. Builds a foundation of entrepreneurial knowledge and gaining a competitive edge while becoming aware of your role in managing your own career. The section of BA 161H students take in Winter determines which section of BA 162H they will need in the Spring - instructors will help students match their winter and spring sections of the courses during class. 2 out of the 3 OSU credits earned will count toward Honors College requirements. RESTRICTIONS: For first-year students in the College of Business only. 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.*** Satisfies: HC Elective

BA 213H	<i>Managerial Accounting</i>			4 HC Credit(s)
CRN: 39565	Section 001	LEC	MW 1000 - 1150	
Instructor(s): Staff TBD				

Accounting information from the perspective of management users with an emphasis on data accumulation for product costing, planning, and performance evaluation and control. PREREQS: BA 211/211H. RESTRICTIONS: For Business majors/minors only. Minimum of 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 223H	<i>Principles of Marketing</i>			4 HC Credit(s)
CRN: 39567	Section 001	LEC	MW 1400 - 1550	
Instructor(s): Mark Van Order				

Covers concepts and principles used by marketing professionals. Designed explicitly for business majors, it's an introduction to the relationships between customers, products, and companies in a competitive and dynamically evolving marketplace. PREREQS: ECON 201/201H. RESTRICTIONS: For Business majors/minors only. Minimum of 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	<i>Business Law I</i>			4 HC Credit(s)
CRN: 36691	Section 001	LEC	MW 1200 - 1350	
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: For Business majors/minors only. Minimum of 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

CBEE 212H**Energy Balances**

1 HC Credit(s)

Register for lecture, recitation, AND studio

CRN: 34905 Section 001 LEC MF 1000 - 1050

CRN: 34906 Section 010 REC W 1000 - 1050

CRN: 34907 Section 020 STUD T 1300 - 1350

Instructor(s): Adam Higgins & Kaitlin Fogg

Energy balances, thermophysical and thermochemical calculations. 1 out of the 3 OSU credits earned counts toward Honors College requirements. Lecture and recitation common with non-honors. PREREQ: CBEE 211/211H AND MTH 256/256H. MTH 256/256H can be taken concurrently. RESTRICTIONS: For Engineering and Pre-Engineering students only. Minimum of sophomore standing required. **Satisfies: HC Elective**

CH 362H**Experimental Chemistry I**

3 HC Credit(s)

CRN: 32174 Section 010 LEC M 1600 - 1650

AND choose one lab section

CRN: 32175 Section 010 LAB TTh 800 - 1120

CRN: 40163 Section 011 LAB TTh 1300 - 1620

CRN: 32177 Section 012 LAB WF 1200 - 1520

Instructor(s): Christine Pastorek

Advanced integrated laboratory course for sophomore level chemistry majors and biochemistry and biophysics majors concentrating on organic synthesis, thermochemistry and spectroscopic methods of identification. Students learn first hand techniques of: vacuum distillation, oxygen bomb calorimetry, infrared spectroscopy, and 1-D and 2-D NMR methods. **Must contact Chemistry department to register.** PREREQ: CH 361/361H AND CH 335. CH 335 can be taken concurrently. RESTRICTIONS: For Chemistry and Biochemistry/Biophysics majors only. **Course Fee \$44.00. Fee is non-refundable. Additional no-show-drop fee. Satisfies: HC Elective**

CH 462H**Experimental Chemistry II**

3 HC Credit(s)

Register for lecture AND lab

CRN: 32178 Section 001 LEC W 1300 - 1350

CRN: 32179 Section 010 LAB W 1400-1650 & F 1300-1650

Instructor(s): Christine Pastorek

Advanced integrated laboratory course for junior level chemistry majors concentrating on physical and analytical chemistry of polymers and materials. Students synthesize a synthetic rock, zeolite, and make PMMA, a polymer. Students learn first hand techniques of: PXRD, INAA, DSC, TGA, GPC, electrochemistry, reaction kinetics by flash photolysis, pulsed polarography and ASV. **Must contact Chemistry department to register.** PREREQ: CH 362/362H AND CH 441 AND (CH 324 OR CH 461/461H). CH 422 is recommended. CH 441 can be taken concurrently. **Course Fee \$44.00. Fee is non-refundable. Additional no-show-drop fee. Satisfies: HC Elective**

CHE 332H**Transport Phenomena II**

1 HC Credit(s)

Register for lecture AND studio

CRN: 35147	Section 001	LEC	TTh 1200 - 1250 Group midterms
CRN: 35146	Section 010	STUD	MW 1300 - 1350

Instructor(s): Skip Rochefort

A unified treatment using control volume and differential analysis of heat transfer, prediction of heat transport properties, and introduction to heat transfer operations. Lecture is common with non-honors courses. 1 out of the 3 OSU credits earned counts toward Honors College requirements. PREREQ: CHE 311 AND CHE 331/331H. RESTRICTIONS: Must be enrolled in the College of Engineering. **Satisfies: HC Elective**

CS 325H**Analysis of Algorithms**

4 HC Credit(s)

CRN: 36452	Section 001	LEC	TTh 1200 - 1320
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Instructor(s): Amir Nayyeri

In this class, you will master algorithmic techniques such as dynamic programming and divide-and-conquer and learn how to argue that your algorithms are correct and fast. You will apply this knowledge to tackling problems from the International Collegiate Programming Contest. PREREQ: CS 261 AND (CS 225 OR MTH 231). RESTRICTIONS: Not for Computer Science Double Degree students. **Satisfies: HC Elective**

DSGN 244H**Color Innovation**

4 HC Credit(s)

CRN: 40207	Section 001	LEC	MW 1400 - 1550
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Instructor(s): Kathryn Burton

The aesthetics, meaning, and perception of color provide the foundational knowledge in this course. RESTRICTIONS: For Pre-Merchandising Management, Pre-Interiors, and Pre-Design & Innovation Management students only. Minimum of 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**

H 100H**Introduction to Public Health**

4 HC Credit(s)

CRN: 34908	Section 001	LEC	TTh 1000 - 1150
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3 required field trips during class meetings

Instructor(s): Viktor Bovbjerg

This survey course covers the basic elements of public health and application of public health action, along with related complex ethical and political issues. Topics range from infectious disease outbreaks and control, to the role of diet and physical activity in chronic disease, to the intersection of emergency services and preparedness with public health. We will focus on experiential and tailored learning: several sessions will be in the field—at work sites, businesses, public health agencies, and natural environments. A major element of the course is a student-directed exploration of a public health topic of interest to each student. Class has 3 required field trips. **Course Fee: \$13. Satisfies: HC Elective**

HC 409**Conversants**

1 HC Credit(s)

CRN: 31202 Section 005 PRAC

Instructor(s): Leanna Dillon

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

HC 409**Civic Engagement**

1 HC Credit(s)

CRN: 34600 Section 007 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**Professional & Career Development**

1 HC Credit(s)

CRN: 38491 Section 008 PRAC T 1000 - 1150

Meets weeks 3 and 7 only

Instructor(s): LeeAnn Baker & Nathan Petitti

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

**ME 312H /
NSE 312H****Thermodynamics**

4 HC Credit(s)

*Register for either the ME 312H section OR the NSE 312H section
Manufacturing, Mechanical, or Industrial Engineering majors should register for ME 312H
Nuclear Engineering majors should register for NSE 312H*

ME 312H CRN: 39582 Section 001 LEC TTh 1400 - 1550

NSE 312H CRN: 39590 Section 001 LEC TTh 1400 - 1550

Instructor(s): Deborah Pence

Energy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. PREREQS: MTH 256/256H AND (ME 311/311H or NSE 311/311H or NE 311/311H). RESTRICTIONS: For Manufacturing, Mechanical, or Industrial Engineering majors only. Must be enrolled in the College of Engineering. Minimum of junior standing is required. **Satisfies: HC Elective**

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

Choose ONE section

MTH 252H does not have a recitation. That hour is built into the lecture section.

CRN: 32180	Section 001	LEC	MW 1000 - 1150	Scott Peterson
CRN: 35286	Section 002	LEC	TTh 1400 - 1550	Scott Peterson
CRN: 36386	Section 003	LEC	MW 1400 - 1550	HoeWoon Kim

The integral is the second big idea in calculus. In the same way that the derivative measures rate of change, the integral measures net change. Applications in physics, engineering and geometry are numerous. PREREQ: MTH 251/251H.

Course Fee \$10. Satisfies: HC Elective

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

MTH 254H does not have a recitation. That hour is built into the lecture section.

CRN: 33584	Section 001	LEC	MW 1000 - 1150
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Instructor(s): Dan Rockwell

Vectors and geometry: coordinate systems, scalar product. Real-Valued Functions of Several Variables: partial and directional derivatives, gradient, extreme values. Multiple Integrals: change of coordinates, applications. Vector valued-functions: arc length and curvature of space curves, normal and tangential components of acceleration.

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

MTH 255H **Vector Calculus II** 4 HC Credit(s)

MTH 255H does not have a recitation. That hour is built into the lecture section.

CRN: 33414	Section 001	LEC	MW 800 - 950
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Instructor(s): Juha Pohjanpelto

Introduction to vector analysis: line integrals and work, conservative fields, surface integrals and flux, divergence, curl, and the theorems of Gauss and Stokes. Emphasis on geometric intuition, not just computation. Especially suitable for those with an interest in physics and engineering, as well as mathematics. PREREQ: MTH 254/254H. **Course Fee \$10.**

Satisfies: HC Elective

MTH 256H **Applied Differential Equations** 4 HC Credit(s)

Choose ONE section

MTH 256H does not have a recitation. That hour is built into the lecture section.

CRN: 32181	Section 001	LEC	MW 1200 - 1350
CRN: 35883	Section 003	LEC	MW 1600 - 1750

Instructor(s): Filix Maisch

First order linear and nonlinear equations, and second order and higher order linear equations, Laplace transform, and applications appropriate for science and engineering. PREREQ: MTH 254/254H. **Satisfies: HC Elective**

MTH 264H Introduction to Matrix Algebra 2 HC Credit(s)*MTH 264H does not have a recitation. That hour is built into the lecture section.*CRN: 39586 Section 001 LEC MW 1200 - 1350
Meets weeks 1-5 only.

Instructor(s): Dan Rockwell

Introduction to matrix algebra: systematic solution to systems of linear equations; linear transformations; eigenvalue problems. Meets weeks 1-5 only. PREREQS: MTH 252/252H. MTH 254/254H is recommended. **Satisfies: HC Elective****MTH 265H Introduction to Series** 2 HC Credit(s)*MTH 265H does not have a recitation. That hour is built into the lecture section.*CRN: 39588 Section 001 LEC MW 1200 - 1350
Meets weeks 6-10 only.

Instructor(s): Dan Rockwell

Convergence and divergence of numerical series, including geometric series. Series of functions. Power series and their analytic properties. Taylor series expansions and Taylor polynomials. Meets weeks 6-10 only. PREREQS: MTH 252/252H. **Satisfies: HC Elective****NSE 312H / ME 312H Thermodynamics** 4 HC Credit(s)*Register for either the NSE 312H section OR the ME 312H section**Manufacturing, Mechanical, or Industrial Engineering majors should register for ME 312H**Nuclear Engineering majors should register for NSE 312H*NSE 312H CRN: 39590 Section 001 LEC TTh 1400 - 1550
ME 312H CRN: 39582 Section 001 LEC TTh 1400 - 1550

Instructor(s): Deborah Pence

Energy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. PREREQS: MTH 256/256H AND (ME 311/311H or NSE 311/311H or NE 311/311H). RESTRICTIONS: For Nuclear Engineering majors only. **Satisfies: HC Elective****PSY 340H Cognition** 4 HC Credit(s)

CRN: 39593 Section 001 LEC TTh 1400 - 1550

Instructor(s): Jason McCarley

We will explore theories and findings from cognitive psychology—the study of the mind—and consider what they tell us about real-world tasks such as driving, studying, making financial decisions, or giving eyewitness testimony. Along the way, we will recreate some classical experiments on attention, memory, and decision making, and read some cutting-edge research on the role of our mental processes in our everyday performance. PREREQS: PSY 201 and PSY 202. RESTRICTIONS: Minimum of sophomore standing required. **Satisfies: HC Elective**

Fall 2019 Honors Thesis/Research/Projects Options

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

CRN: 33413 Section 001 HYB W 1700 - 1750

Meets weeks 2, 4, 6, and 10 only

Instructor(s): Kassena Hillman & Andy Karplus

HC 408: Stage 2 Explore & Build will guide you through the second stage of the Thesis Success in Stages (TheSIS) process. In this class you will explore the many resources at the HC and OSU to help you find a mentor and a project, build strategies for a successful thesis experience, learn the components of the thesis, and plan out your next steps. You will also hear from students and faculty with recent experience in the thesis process. You do not need to have a thesis idea to be in Stage 2. 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. **PREREQS:** Completion of "Stage 1: Plan" workshop. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**

HC 408 **Thesis Stage 3: Commit** 1 HC Credit(s)

CRN: 35787 Section 002 WS Th 1600 - 1750

Meets weeks 3 and 7 only

Instructor(s): Rebekah Lancelin & Susanne Stieger-Vanegas

This course will guide students through Stage 3 of the Thesis Success in Stages (TheSIS) process, Commit. We will cover the process of developing a thesis topic, finding a thesis mentor, creating a thesis statement, writing a thesis proposal, and developing a research plan. The course will require participants to turn in a completed thesis proposal signed by a thesis mentor, which is the end goal of the Commit stage and a required component of the TheSIS process in the Honors College. Meets weeks 3 and 7 only. **PREREQS:** Prior completion of TheSIS Stages 1 & 2 as outlined at honors.oregonstate.edu/thesis. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**

HC 408 **Thesis Stage 4: Compose @ Complete** 1 HC Credit(s)

CRN: 35139 Section 003 WS F 1400 - 1550

Meets weeks 2, 4, and 6 only

Instructor(s): Ben Mason

This course will guide students through the final stage of the Thesis Success in Stages (TheSIS) process, Compose & Complete. The goals of this stage are the completion of a thesis draft, the preparation for the thesis defense, and the design of a thesis poster. Students need to have completed their research and be prepared to begin writing the thesis draft. Meets weeks 2, 4, and 6 only. **PREREQS:** Prior completion of TheSIS Stages 1, 2, & 3 as outlined at honors.oregonstate.edu/thesis. **Graded: P/N. Satisfies: HC Thesis/Research/Projects**