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Winter 2021 HC Bacc Core

ANTH 481H *Natural Resources and Community Values*

3 HC Credit(s)

CRN: 40557 Section 001 LEC W 1000-1120

Instructor(s): Irene Rolston

This course is a hybrid course that includes assignments online and weekly meetings. It requires an experiential learning component that entails using anthropological methods while volunteering for a sustainability/environmental organization for most of the term. Guidelines and time requirements will be discussed in the course syllabus, Canvas, and from the instructor. **Satisfies: BaccCore - Science, Technology, Society**

BI 222H *Principles of Biology: Organisms*

4 HC Credit(s)

CRN: 39801 Section 001 LEC MWF & GRP MID 1300 - 1350

Nate Kirk

And choose one lab section

CRN: 39802 Section 010 LAB W 1400 - 1650

Carmen Harjoe

CRN: 39803 Section 011 LAB Th 800 - 1050

Noah Silva

CRN: 39804 Section 012 LAB F 1400 - 1650

Noah Silva

Instructor(s): Nate Kirk, Carmen Harjoe, Noah Silva

Introduction to fundamental biological concepts and theories about plant, and animal physiology, evolution, structure and function, transformation of energy and matter and systems at an organismal level. **Group Midterms Mondays 1900-2020.** PREREQS: BI 221/221H and ((CH 121 or CH 201) 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: 33705 Section 001 LEC MWF 1200 - 1250

Chris Knutson

And choose one recitation section

CRN: 33808 Section 010 REC T 1400 - 1450

Chris Knutson

CRN: 33809 Section 011 REC Th 1100 - 1150

Chris Knutson

And choose one CH 262H lab section

CH 262H *Laboratory for Chemistry 232H*

1 HC Credit(s)

CRN: 33706 Section 010 LAB T 1500 - 1750

Michael Burand

CRN: 33707 Section 011 LAB Th 1200 - 1450

Michael Burand

Instructor(s): Michael Burand

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. PREREQ: CH231/231H OR CH 221. COREQ: CH 262/262H or CH272. CH 232H and CH 262H must be taken concurrently. CH 231/231H, CH232/232H, and CH233/233H must be taken in order. **Course Fee \$30. Satisfies: HC BaccCore - Physical Sciences**

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ES 223H **Survey of African American Studies II** 4 HC Credit(s)

CRN: 39806 Section 001 LEC TTh 1400 - 1550

Instructor(s): Robert Thompson

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

FILM 245H **The New American Cinema** 4 HC Credit(s)

CRN: 39807 Section 001 LEC TTh 1600 - 1720

Instructor(s): Jon Lewis

This class will closely examine the important films and filmmakers of post-rating system Hollywood (1968-present). Of additional interest will be the transitions and transformations in the business of developing, producing, distributing, and exhibiting motion pictures in modern Hollywood. **Satisfies: HC BaccCore - Literature and the Arts**

HC 199 **Honors Writing** 3 HC Credit(s)

Choose one section

CRN: 32334 Section 001 LEC MWF 1000 - 1050

CRN: 30956 Section 002 LEC MWF 1100 - 1150

CRN: 33310 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**

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

CRN: 38114 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: 36874 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**

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

CRN: 36875 Section 001 ACT Th 1400 - 1550

Instructor(s): Tsipora Berman

Journey to the seen and the unseen through a multi-sensory, interdisciplinary, transformative study of mindfulness utilizing a fun, creative variety of individual and group mind/body practices applicable to everyday life and across academic disciplines. Develop your own 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. From STEM to Liberal Arts, from Education to Sports, from Political Science to World Health, students from any discipline will co-create a research-based platform from which to expand self-awareness to support your particular contribution to the world.

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 standing and balancing, forward and back bending, spinal twists, lateral bends and inversions. Classes often include meditation-in-motion; Classes close with integration through relaxation and meditation. **Course Fee: \$49. Satisfies: HC BaccCore - Fitness**

PH 213H **General Physics with Calculus** 4 HC Credit(s)

CRN: 38473 Section 001 LEC MWF 1300 - 1350

And choose one lab section

CRN: 38541 Section 010 LAB W 1400 - 1550

CRN: 38474 Section 020 LAB W 1600 - 1750

Instructor(s): Weihong Qui

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 212/212H. **Satisfies: HC BaccCore - Physical Sciences**

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

CRN: 32580 Section 001 REC T 1100 - 1150

Instructor(s): Ethan Minot

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**

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PH 223H Recitation for Physics 213 1 HC Credit(s)

Choose one section

CRN: 32579 Section 001 REC Th 1100 - 1150

Instructor(s): Liz Gire

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: 36876 Section 001 LEC MWF 900 - 950

Instructor(s): Randall Milstein

After completing PH 313H, students will be able to define energy and power, and to list the basic forms of energy, from the viewpoint of physics, and classify energy based on the way power is generated (renewable and non-renewable energy sources) such as hydropower, wind power, geothermal power, solar power, ocean wave power, nuclear power. Students will understand the main types of hydropower plants, and calculate the power wind carries, and know the efficiency and advantage/disadvantages of several types of wind turbines. Students will understand the two major techniques of converting solar power to electric power (concentrated solar power plants and photovoltaic panels); about geothermal resources and how Earth's heat is harnessed for generating power; about ocean wave power converted to electricity; about electric cars, high-capacity batteries, fuel cells, and the infrastructure needed to make electric vehicles competitive to gasoline powered transportation; about biofuels and converting biomass into gasoline-like and diesel-like products; about sending electric power over long distances. Students will know the global distribution of major fossil fuels, and the approximate time before these non-renewable resources run out. **Satisfies: HC BaccCore - Science, Technology, Society**

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

Choose PHL 160H or REL 160H, not both

PHL 160H CRN: 35340 Section 001 LEC TTh 1000 - 1150

REL 160H CRN: 35341 Section 001 LEC TTh 1000 - 1150

Instructor(s): David Arnold

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**

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PHL/REL 443H World Views and Environmental Values

3 HC Credit(s)

Choose PHL 443H or REL 443H, not both

PHL 443H **CRN: 39836** **Section 001** **LEC** **MW 1400 - 1520**

REL 443H **CRN: 39843** **Section 001** **LEC** **MW 1400 - 1520**

Instructor(s): Rob Figueroa

Human societies are characterized by a specific relation to nature. The way in which this relation is understood and implemented in narrative, policies, norms, and habits, reveals the way in which a society understands itself, how it is constituted and on which basic, shared values it rests. In this class we will explore and compare different models of the relation to nature and discuss the different forms of environmentalism that stem from them. We will examine leading ideas such as 'Sustainable Development', the 'Green Economy', and the debate revolving around 'Ecosystem Services' and their valuation. We will also engage with perspectives that question the Western model of development, like 'Degrowth' and 'Ecofeminism' or the vision of a 'Radical Ecological Democracy' developed by Indian environmental activists and the concept of 'Buen Vivir' (Living Well) stemming from indigenous people from Latin America. Environmental conflicts are value conflicts: different ways of understanding our relation to nature support different programs and projects to address the global ecological crisis. We will analyze some of them in details with great attention to different points of view and to the distribution of burdens and benefits (who are the winners and who are the losers in each of them? Whose perspective is being considered or neglected?). In this class we will meet with different forms of texts and different disciplines: scholarly works in the fields of philosophy, ecology, ecological economics, and political theory; activists' and political documents; policy advice, narrative, and hypertexts. And of course also interviews and short films. Recommended Prereqs: One introductory-level science course and sophomore standing is recommended, but not required. **Satisfies: HC BaccCore - Contemporary Global Issues**

PHL/REL 444H Biomedical Ethics

4 HC Credit(s)

Choose either PHL 444H or REL 444H, not both

PHL 444H **CRN: 39837** **Section 001** **LEC** **MW 1200 - 1350**

REL 444H **CRN: 39845** **Section 001** **LEC** **MW 1200 - 1350**

Instructor(s): Youjin Kong

Application of 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 decisions in medicine. **Satisfies: HC BaccCore - Science, Technology, Society**

PS 110H Governing After the Zombie Apocalypse

3 HC Credit(s)

CRN: 38348 **Section 001** **LEC** **TTh 1200 - 1320**

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. 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**

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PS 366H ***From Atlantis to Utopia: The Politics of the Ideal State*** 4 HC Credit(s)

CRN: 38361 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.

This course fulfills the Baccalaureate Core requirement for the Social Processes and Institutions category. It does this by examining theories and fictions of ideal governments throughout history, and inviting students to critically reflect upon how these discussions continue to shape contemporary politics and culture. **Satisfies: HC BaccCore - Social Processes and Institutions**

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

Choose PHL 160H or REL 160H, not both

PHL 160H CRN: 35340 Section 001 LEC TTh 1000 - 1150

REL 160H CRN: 35341 Section 001 LEC TTh 1000 - 1150

Instructor(s): David Arnold

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

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PHL 444H CRN: 39837 Section 001 LEC MW 1200 - 1350

REL 444H CRN: 39845 Section 001 LEC MW 1200 - 1350

Instructor(s): Youjin Kong

Application of 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 decisions in medicine. **Satisfies: HC BaccCore - Science, Technology, Society**

WGSS 325H Disney: Gender, Race, and Empire 3 HC Credit(s)

CRN: 39847 Section 001 LEC W 1600 - 1850

Instructor(s): Michael Floyd

Explores constructions of gender, race, class, sexuality, and nation in the animated films of Walt Disney; introduces concepts in film theory and criticism, and develops analyses of the politics of representation. **Satisfies: HC BaccCore - Difference, Power, and Discrimination**

WR 121H English Composition 3 HC Credit(s)

CRN: 38125 Section 001 LEC TTh 1200 - 1320

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. RESTRICTIONS: **WR 121H is NOT restricted by last name.** **Satisfies: HC BaccCore - Writing I**

WR 327H Technical Writing 3 HC Credit(s)

CRN: 39726 Section 400 online

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**

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Winter 2021 HC Colloquia

HC 299 ***Building Hope: International Service Learning - Impact*** 1 HC Credit(s)

CRN: 34078 Section 001 SEM Th 1400 - 1450

Instructor(s): Dave Kovac

You have the interest, energy, and motivation to make a difference in the world – to experience a culture while giving back to the community. Where do you go? How do you get there? What do you do to ensure that you're doing good, performing a much-needed service? The Building Hope colloquia will help you prepare for any number of international service experiences — whether it be a mission trip, a more engaging study abroad experience, or a community volunteer activity. Explore the complexities of international service from a variety of perspectives and learn how to balance your good intentions with cultural considerations and community-identified needs.

The Building Hope program is a series of fall, winter, and spring term Honors colloquia, with a different emphasis each term (you don't need to take all three, nor do you need to take them in sequence). In winter term, we will focus on impact (identifying and distinguishing the impact of service on individual, group, community, and societal structures). In fall term, the focus is on culture (interpreting the cultural contexts and consequences of international service strategies, programs, and projects); and in spring, the focus is on team (enhancing interpersonal and team skills through the concept of contributorship).

Discover your passions, internationalize your OSU experience, and make meaningful contributions to building a better world. **Satisfies: HC Colloquia**

HC 299 ***Pandemics, Plagues, and Philosophies: Who Lives, Who Dies, Who Decides?*** 2 HC Credit(s)

CRN: 40561 Section 002 SEM MW 1500 - 1550

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. This course 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 philosophical and religious ethics, including personal moral responsibilities (personal freedom and concern for others), and professional and research ethics, including a duty to treat patients in the absence of adequate PPE, priorities in the use of scarce resources, such as ventilators and vaccines, and social ethics, including the disproportionate deaths of Blacks, Latinx, and Native populations from COVID-19. These questions are not unique to this pandemic, but have emerged in prior epidemics: Historical narratives about the Black Death of the Middle Ages, the mass deaths of native populations from smallpox and influenza following European colonization, cholera, and HIV/AIDS help situate our 21st century experience of COVID-19. Philosophical narratives and literature, such as *The Plague* by Albert Camus, also convey the humanistic wisdom that cultivates empathy, imagination, and solidarity with persons afflicted with a pandemic virus.

Satisfies: HC Colloquia

HC 407 ***In Group Influence*** 2 HC Credit(s)

CRN: 36869 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**

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HC 407 ***Race, White Supremacy, and the State of Oregon*** 2 HC Credit(s)

CRN: 36870 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 some 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.

As a class, students will decide upon a project that seeks to combat racism at the local (Corvallis or perhaps Oregon as a whole) level. For example, student might choose to do something like come with a reading list of books that deal with white supremacy, following which students would want to make contact with libraries and explain to them why they should purchase and call attention to these books. Alternatively, students might find a way to engage OSU students with a particular organization that works to promote racial harmony. Yet another path might be to work with a community organization or OSU department to organize a series of speakers who address the topic of race. (These are just a handful of ideas: The class will actually get to design their own topic and need not follow any of the ideas I listed above).

Throughout the term, students will come up with a plan and take steps towards implementing this plan. This will involve thinking about who they need to contact, what impediments they might encounter, and who will actively benefit from the plan when it is ultimately executed. **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: 33163 Section 003 SEM M 1400 - 1550

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

CRN: 39809 Section 005 SEM M 1000 - 1150

Instructor(s): Stephen Atkinson

Are you ready to go to space? In this course I will lead our exploration of the history, motivations, physics and fantasy behind rockets and space travel. From Rocket Science 101, to the Space Race, US space program (Apollo, Shuttle, SLS) and future space missions, this course will inspire you with both the fiction and realities of leaving the green Earth for the emptiness of Out There. My other goal is to give you an introduction to different means of artistic expression, and demonstrate how you can convey scientific concepts in creative ways. If you don't have a science or art background - don't worry! Everyone is welcome, all activities will be demonstrated and materials supplied. This colloquium class should satisfy anyone who is curious about rockets and space, and wants to learn through assignments that involve a synthesis of science and art. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 **Historical Fictions and Fictional Histories** 2 HC Credit(s)

CRN: 36019 Section 006 SEM Th 1000 - 1150

Instructor(s): Thomas Bahde

We live in a culture of fake news, alternative facts, deepfakes, and the constant spinning of personal narratives, so perhaps it is comforting to realize that the line between fact and fiction has never been especially stable. Concepts of authorship, authority, and authenticity today seem more important and 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, making it hard to settle on any singular version of reality, past or present. This course uses historical stories -- both factual and fictional -- to examine an enduring problem: how to craft "true" stories from an apparently endless array of sources, experiences, and interpretations -- a question at the core of both Literature and History, and one increasingly at the center of public discussion. 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: 35594 Section 007 SEM T 1000 - 1150

Instructor(s): Robert 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: 36020 Section 008 SEM Th 1300 - 1350

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, and medical ethics. Engage! **Satisfies: HC Colloquia**

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HC 407 ***The Hidden History of Women at OSU*** 2 HC Credit(s)

CRN: 36021 Section 009 SEM W 1000 - 1150

Instructor(s): Tiah Edmunson-Morton & Christoffer 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. This class received the Honors College Student Association HC Outstanding Course of the Year award for 2020. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 36022 Section 010 SEM T 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.

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 and Links to Ancient Astronomy*** 1 HC Credit(s)

CRN: 34079 Section 011 SEM T 1300 - 1350

Instructor(s): Randall Milstein

A survey of sites, megaliths, caves, 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. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 34080 Section 012 SEM Th 1300 - 1350

Instructor(s): Randall Milstein

The good, the bad, the inventive, and the absolutely awful examples of “science” portrayed in science fiction films, television shows, comic books, and literature. Aliens, light sabers, space battles, gravity drives, warp speed, laser beams, star gates, and worm holes; what’s real, what’s a possibility, what’s speculation, and what is impossible. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 36871 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 (for example, 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--is fascinating, exciting and inspiring particularly to upcoming leaders and professionals. This colloquium should have broad appeal across the humanities, sciences and social sciences, and the sub disciplines of engineering. From world archaeological sites, to national and international travel, to fictional and film depictions of cities real and imaginary, cities are exciting to visit, imagine, and study. Since earliest times, cities are complex trade hubs and population centers, providing a home and vast services to humans but also wildlife. As more of the world's population become located in cities, cities' importance as sites of progressive change (including environmental sustainability) is in the global spotlight. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 ***TEK in Practice*** 2 HC Credit(s)

CRN: 39810 Section 014 SEM W 1200 - 1350

Instructor(s): Samantha Chisholm Hatfield

This course follows Intro to TEK and delves into TEK in practice. The goal of this course is to understand Traditional Ecological Knowledge (TEK) and sustainability practices from a Native American perspective, focusing on what avenues there are to access, incorporation, application. Addressing tribes nationally, incorporation of techniques from tribal perspectives in local and national areas and topics. This class will focus on how state and federal guidelines, laws, and regulations affect and implement tribal policies and tribal members. **Satisfies: HC Colloquia**

HC 407 ***Found Objects: Material Culture, Meaning, and Memory*** 2 HC Credit(s)

CRN: 36872 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 found and considered to have 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, 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 “everyday” objects in general. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 **Visual Culture and the Meaning Behind Images** 2 HC Credit(s)

CRN: 39812 Section 020 SEM MW 1000 - 1050

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 offers an understanding of 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 range 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, film and media studies. Course activity will entail the making of art, active interpretation of images and student lead discussions. All students, will become independent critical thinkers and they will build the ability to analyze images in original and analytical way, based and contextual and visual evidence. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 36873 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>. For remote instruction of 'hands-on' learning, students will learn the basics of computer-aided design through use of the free, cloud-based [Tinkercad](#) platform and receive a [do-it-yourself electronics kit](#) to learn the basics of circuit design. 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 **The New Yorker Cartoons: History and Humor** 2 HC Credit(s)

CRN: 39813 Section 022 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**

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HC 407 **Science, Aesthetics, and the Invention of Altered States of Consciousness** 2 HC Credit(s)

CRN: 39814 Section 023 SEM T 1200 - 1350

Instructor(s): Robin Pappas

The nineteenth through early twentieth centuries saw a transformation in how Western cultures understand human consciousness. This shift was informed in part by “science”—technologies and methods for describing and explaining behavior and experience that were becoming disciplines: neurology, physiology, psychology, and psychiatry—and by “aesthetics”—the artistic, literary, and philosophical texts and perspectives (themselves using technologies and methods) emphasizing the subjective and social relevance of experience. In the interest of documenting “the whole man,” these discourses explored experiences reflecting the typically intractable aspects of human consciousness, what Aldous Huxley (author of *Brave New World* and *The Doors of Perception*) termed “the mind’s antipodes.” In short, they investigated altered states of consciousness, particularly those induced by substances. The prominent genre for articulating this transformation was the drug confession. Though first adopted by aesthetic authors, the confession model provided a rhetorical architecture for scientific writers, as well. By looking at how authors describe the phenomena they experience as a result of using substances, we will find new ways to ask questions about topics as diverse as poetic expression, medical ethics, human consciousness, and legal history. Class discussions will probe ideas from readings by such literary authors as Thomas de Quincey and Charles Baudelaire; psychologists such as Sigmund Freud and William James; as well as cultural theorists such as David Lenson and scientists such as Albert Hofmann. Throughout the term, students will have opportunities to focus more deeply on own related topics of their choosing in 2 short research projects and one presentation, which will be used to guide the emphasis of class discussion. **Satisfies: HC Colloquia**

HC 407 **Last Year Experience** 2 HC Credit(s)

CRN: 35720 Section 024 SEM T 1000 - 1150

Instructor(s): Don Johnson

This seminar is intended to examine various elements of the post college transition such as career, personal finance, defining your brand, past and future friendships, the potential of a gap year, creating your neighborhood, the significance of other people in your life and career, and other questions uncovered. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 **Publishing Underground: A History of Publishing Technology and Radical Movements** 2 HC Credit(s)

CRN: 36310 Section 025 SEM T 1200 - 1350

Instructor(s): Kelly McElroy & Korey Jackson

From AIDS activists and zines to social media and protests to anti-lynching activism and pamphleteering -- 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 by looking at historical and contemporary social reforms and the technologies that enable them (moveable type and the printing press, xerography/photocopying, and web-based platforms). We will examine how publications come out of and feed into particular social movements, discovering just how the politics of activism are informed by (and themselves inform) a wide variety of publication techniques and technologies.

We will consider 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 look at how alternative publishing attracts audiences of readers alienated by more formal or traditional modes of publishing.

There will also be ample opportunity to try your hand at creating your own publications using the technologies discussed in class: making is an important part of how we learn together. **We will send you a craft kit to make sure you have the materials you need.**

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**

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HC 407 ***What Is Creativity?*** 2 HC Credit(s)

CRN: 38653 Section 028 SEM T 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 ***Learning Through Play*** 2 HC Credit(s)

CRN: 39816 Section 029 SEM TTh 900 - 950

Instructor(s): Hannah Rempel

Games motivate people to learn in new ways; games are engaging; and games encourage learners to try something new without fearing failure. Educators know this and have created many educational games (some admittedly more fun than others). But can all games teach us something? Join this class and learn how different games can encourage learning. We'll explore which types of games help us learn best, we'll research what learning scientists know about games, and we'll test games to see how well they stack up to our fun and learning criteria. Based on what we learn, we'll even create games of our own. And yes, we'll play games along the way! **Satisfies: HC Colloquia**

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

CRN: 37144 Section 030 SEM W 1700 - 1750

Instructor(s): Tom Carrico

The universe is far more than what our eyes can see. Using DSLR cameras (their own or borrowed from the school), students will go outside and image the night sky. They will learn various methods of image processing that will help tease out all available information. From there, the course will look at many of the resources available that will reveal more of the spectrum of the universe, including radio telescopes, orbiting observatories, and other novel techniques. There will be opportunities to look through solar telescopes, experience a local star party with a wide range of telescopes, and spend many evenings photographing the universe. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 ***People Like Us: Social Class in America*** 1 HC Credit(s)

CRN: 39817 Section 031 SEM M 1400 - 1450

Instructor(s): Jeremy Townley

If asked about our social standing, most of us would say we're "middle class"? But what does that actually mean? In this colloquium, we will use a combination of narrative and analytical texts, along with documentary films, to investigate the intersectional complexities of social class in America. We will explore such questions as: What is class? How can it limit individual and collective freedoms? What effect does it have on community? How does it influence our perceptions of individuals' skills and abilities? How are classes created and maintained? Our readings, discussions, short in-class writing assignments, and informal presentations will build toward a final project: a reflection on and/or exploration of some aspect of social class in the form of a personal essay, interview(s), digital narrative, photo collage, etc. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 ***Soundscape Ecology: A Sound-Driven Exploration of the Natural World Using Creative Applications for Data Analysis, and More*** 1 HC Credit(s)

CRN: 40553 Section 032 SEM F 1400 - 1550

Instructor(s): Dana Reason

An introduction to sound driven explorations of the natural (and human-made) world using creative applications for data analysis, sound studies and more. Topics will include: the sound health of the planet; innovations that utilize sound, and music to help augment research in the fields of science, the arts, engineering and bio-health fields. Finally, students get to experience and discover the concept and practice of sonification, and soundscape ecology. No experience with music, computer science or sound required. **Satisfies: HC Colloquia**

HC 407 ***Energy IQ: The Changing Energy Landscape*** 2 HC Credit(s)

CRN: 40555 Section 033 SEM TTh 1600 - 1650

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 ***The Holocaust in the Digital Age*** 2 HC Credit(s)

CRN: 38362 Section 400 SEM

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 anti-Semitic 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**

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HC 407 ***Murder, Mayhem, and Makeup: Lady Detectives on Page and Screen*** 2 HC Credit(s)

CRN: 39725 Section 401 SEM

Instructor(s): Clare Braun

From Agatha Christie's Miss Marple to Kristen Bell's Veronica Mars, women have solved some of the dastardliest crimes of the detective genre both on the page and on the screen. We will look at a variety of texts and films featuring lady detectives—some very ladylike indeed, some decidedly not—to examine the cross-sections between gender and genre. How do these detectives use their performance of gender to solve mysteries? How do these stories challenge, reinforce, and/or complicate traditional notions of gender and crime? **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 Colloquia**

PH 407H ***The Weird World of Quantum Mechanics*** 1 HC Credit(s)

CRN: 34931 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**

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Winter 2021 HC Elective Options

BA 161H	<i>Innovation Nation - Awareness to Action</i>			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 ONE of the lecture sections: section 010, 012, or 014 (in-person) OR 110, 112, or 114 (remote)			
CRN: 36169	Section 019	REC	F 0900 - 0950	Sandra Neubaum
	<i>And choose one lecture section</i>			
CRN: 36161	Section 010	LEC	TTh 1100 - 1150 (in-person)	Katelyn O'Brien
CRN: 40428	Section 110	LEC	TTh 1100 - 1150 (remote)	Katelyn O'Brien
CRN: 36164	Section 012	LEC	TTh 1300 - 1350 (in-person)	Katelyn O'Brien
CRN: 40430	Section 112	LEC	TTh 1300 - 1350 (remote)	Katelyn O'Brien
CRN: 36167	Section 014	LEC	TTh 1400 - 1450 (in-person)	Katelyn O'Brien
CRN: 40432	Section 114	LEC	TTh 1400 - 1450 (remote)	Katelyn O'Brien

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. **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, 014, or 110, 112, or 114. 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. **Satisfies: HC Elective**

BA 213H	<i>Managerial Accounting</i>			4 HC Credit(s)
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This course is shared with a section for COB Dean's Academy students.

Honors students should register for section 001

CRN: 38100	Section 001	LEC	MW 1400 - 1550
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Instructor(s): Christopher Akroyd

Accounting information from the perspective of management users with an emphasis on data accumulation for product costing, planning, and performance evaluation and control. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** PREREQS: BA 211/211H. RESTRICTIONS: For Business majors/minors only. Minimum of sophomore standing required. **Satisfies: HC Elective**

BA 223H	<i>Principles of Marketing</i>			4 HC Credit(s)
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This course is shared with a section for COB Dean's Academy students.

Honors students should register for section 001

CRN: 38102	Section 001	LEC	MW 1200 - 1350
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Instructor(s): Johnny Chen

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. **Satisfies: HC Elective**

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BA 275H **Foundations of Statistical Inference** 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: 39795 Section 001 LEC TTh 1600 - 1750

Instructor(s): Andrew Olstad

An introductory course on statistical inference with an emphasis on business applications. Coverage includes descriptive statistics, random variables, probability distributions, sampling and sampling distributions, statistical inference for means and proportions using one and two samples, and linear regression analysis. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** PREREQS: MTH 111 OR MTH 241 OR MTH 251/251H. RESTRICTIONS: For Business majors/minors only. Minimum of sophomore standing required. **Satisfies: HC Elective**

BA 354H **Managing Ethics and Corporate Social Responsibility** 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: 39797 Section 001 LEC TTh 1400 - 1550

Instructor(s): Betsy Rock

Introduces contemporary issues that business professionals face making ethical and socially responsible decisions in an increasingly fast-paced, transparent, and global environment. This is a Writing Intensive Course. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** PREREQS: (COMM 111/111H or COMM 114/114H or COMM 218/218H) and (WR 222 or WR 323 or WR 327/327H or HC 199). RESTRICTIONS: Business majors/minors only. Senior standing required. **Satisfies: HC Elective**

BA 375H **Applied Quantitative Methods** 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: 39799 Section 001 LEC MW 1400 - 1550

Instructor(s): Xiaohui Chang

Introduces students to the basics of data science and data analytics for handling of large-scale databases. It provides an overview of the main data-analytic techniques and topics including data visualization, linear and nonlinear regression analysis, time series analysis and forecasting, classification, and clustering methods. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** Prereqs: BA 275. RESTRICTIONS: Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

BI 370H **Ecology** 3 HC Credit(s)

CRN: 37257 Section 001 LEC TTh 1200 - 1320

Instructor(s): Carmen Harjoe

The study of interactions between organisms and their biotic and abiotic environments at the population, community, ecosystem, and biosphere levels of organization. PREREQS: (BI 211/211H and BI 212/212H and BI 213/213H) or (BI 204 and BI 205 and BI 206). **Satisfies: HC Elective**

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CBEE 212H **Energy Balances** 1 HC Credit(s)

Register for all three sections – lecture, recitation, and studio

CRN: 34469	Section 001	LEC	MF 1400 - 1450
CRN: 34470	Section 010	REC	W 1400 - 1450
CRN: 34471	Section 020	STU	T 1300 - 1350

Instructor(s): 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.** PREREQS: MTH 252/252H. RESTRICTIONS: For Engineering students only. Minimum of sophomore standing required. **Satisfies: HC Elective**

CH 362H **Experimental Chemistry I** 3 HC Credit(s)

CRN: 32018	Section 001	LEC	M 1600 - 1650
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And choose one lab section

CRN: 32019	Section 010	LAB	TTh 800 - 1120
CRN: 38618	Section 011 (in-person)	LAB	TTh 1300 - 1620
CRN: 40434	Section 111 (remote)		

CRN: 32020	Section 012 (in-person)	LAB	WF 1200 - 1520
CRN: 40435	Section 112 (remote)		

Instructor(s): Kevin Gable

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 and/or for questions related to in-person vs remote.** 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)

CRN: 32021	Section 001	LEC	W 1300 - 1350
CRN: 32022	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 441 can be taken concurrently. CH 422 is recommended. **Course Fee \$44.00. Fee is non-refundable. Additional no-show-drop fee. Satisfies: HC Elective**

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CHE 332H **Transport Phenomena II** 1 HC Credit(s)

CRN: 34696 Section 001 LEC TTh 1200 – 1250
& GRP MID
CRN: 34695 Section 010 STU 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. **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: 35813 Section 001 LEC TTh 1200 - 1320

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: Must be enrolled in the College of Engineering. Not for Computer Science Double Degree students. **Satisfies: HC Elective**

DSGN 244H **Color 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: 38654 Section 001 LEC TTh 1200 - 1350

Instructor(s): Shanna Ruyle

The aesthetics, meaning, and perception of color provide the foundational knowledge in this course. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** RESTRICTIONS: For Pre-Merchandising Management, Pre-Interiors, and Pre-Design & Innovation Management students only. Minimum of sophomore standing required. **Satisfies: HC Elective**

H 100H **Introduction to Public Health** 4 HC Credit(s)

CRN: 34472 Section 001 LEC TTh 1000 - 1150

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. **Satisfies: HC Elective**

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ME 383H **Mechanical Component Design** 1 HC Credit(s)

Register for both lecture and lab

CRN: 36024	Section 001	LEC	TTh 830 - 950
CRN: 36025	Section 010	LAB	W 1000 - 1150

Instructor(s): Brad Camburn

Failure analysis and design of machine components. **1 out of the 4 OSU credits earned counts toward Honors College requirements. Lecture is shared with non-honors section.** PREREQS: ME 316 and ME 250 and ENGR 212/212H and ENGR 213. ME 250 can be taken concurrently. 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**

ME 430H **System Dynamics and Control** 4 HC Credit(s)

CRN: 39818	Section 001	LEC	MW 1000 - 1150
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Instructor(s): Joseph Davidson

Modeling and analysis of linear continuous systems in time and frequency domains. Fundamentals of single-input-single-output control system design. PREREQS: ME 317/317H or (ECE 351 and ECE 352 and ENGR 212/212H). **Satisfies: HC Elective**

ME/NSE 331H **Introductory Fluid Mechanics** 4 HC Credit(s)

Choose either ME 331H or NSE 331H, not both.

MIME students should register for ME 311H. Nuclear Engineering students should register for NSE 311H.

ME 331H	CRN: 39819	Section 001	LEC	TTh 1400 - 1550
NSE 331H	CRN: 39820	Section 001	LEC	TTh 1400 - 1550

Instructor(s): Jim Liburdy

Introduces the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. PREREQS: ENGR 311/311H, ME 311/311H, 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

CRN: 32023	Section 001	LEC	WF 1000 - 1150	Sara Clark
CRN: 34818	Section 002	LEC	TTh 1400 - 1550	Scott Peterson
CRN: 35758	Section 003	LEC	WF 800 - 950	Sara Clark

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**

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

CRN: 33312 Section 001 LEC WF 1000 - 1150

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)

CRN: 33165 Section 001 LEC WF 1400 - 1550

Instructor(s): Hoewoon Kim

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

CRN: 32024 Section 001 LEC WF 1200 - 1350 Filix Maisch

CRN: 35339 Section 003 LEC WF 1600 - 1750 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)

CRN: 38118 Section 001 LEC WF 1200 – 1350
Meets weeks 1-5 only

Instructor(s): Torrey Johnson

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)

CRN: 38119 Section 001 LEC WF 1200 – 1350
Meets weeks 6-10 only

Instructor(s): Torrey Johnson

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**

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NSE/ME 331H **Introductory Fluid Mechanics** 4 HC Credit(s)

Choose either ME 331H or NSE 331H, not both.

MIME students should register for ME 311H. Nuclear Engineering students should register for NSE 311H.

ME 331H **CRN: 39819** **Section 001** **LEC** **TTh 1400 - 1550**

NSE 331H **CRN: 39820** **Section 001** **LEC** **TTh 1400 - 1550**

Instructor(s): Jim Liburdy

Introduces the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. **PREREQS:** ENGR 311/311H, ME 311/311H, 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**

PSY 202H **General Psychology** 4 HC Credit(s)

CRN: 39838 **Section 001** **LEC** **TTh 1200 - 1350**

Instructor(s): Juan Hu

Scientific study of behavior and experience. Motivation and emotion; personality; social psychology, human development, psychopathology and psychotherapy. **Satisfies: HC Elective**

PSY 298H **Quantitative Methods in Psychological Science** 4 HC Credit(s)

CRN: 39923 **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 327/327H). **Satisfies: HC Elective**

PSY 340H **Cognitive Psychology** 4 HC Credit(s)

CRN: 38123 **Section 001** **LEC** **TTh 1000 - 1150**

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 202/202H. **RESTRICTIONS:** Minimum of Sophomore standing required. **Satisfies: HC Elective**

PSY 399H **Honors Psychology Research** 1 HC Credit(s)

CRN: 39842 **Section 001** **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**

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Winter 2021 HC Thesis/Research/Projects

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

CRN: 33164 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 2: Explore & Build** 1 HC Credit(s)

CRN: 40310 Section 400 online

Instructor(s): Kassena Hillman

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

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

CRN: 35263 Section 002 WS Th 1600 – 1750
Meets weeks 3 & 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: 34689 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 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**