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Spring 2021 Corvallis HC Bacc Core

ANTH 383H *Introduction to Medical Anthropology*

3 HC Credit(s)

CRN: 59363 **Section** 001 LEC **TTh 1400 - 1520**

Instructor(s): Patricia Fifita

Examines human health and healing systems from evolutionary and cross-cultural perspectives. Using a case study approach, this class explores individual- and population-level experiences of illness and healing, while providing students with the tools to evaluate global disease patterns and international health promotion and education programs. **Satisfies: HC BaccCore - Contemporary Global Issues**

ART 323H *Italian Renaissance Art and Architecture*

3 HC Credit(s)

CRN: 59364 **Section** 001 LEC **MWF 1000 - 1050**

Instructor(s): Daniele Di Lodovico

This course surveys Italian art and culture in the pivotal period between the fourteenth and sixteenth centuries that we call the "Renaissance." It traces the roots of the Renaissance in late medieval Gothic society to its "classical" apogee in the era of Leonardo and Raphael through the later expressive, anti-classical tendencies of Mannerism. The course takes a thematic approach that locates individual works of art and architecture—paintings, sculptures, decorative arts, secular and sacred architecture—within broader developments and trends of the time, especially humanism, civic society, religious tensions, and material and political aspirations. It examines relationships between the monuments and factors such as urbanization, technological innovations, and scientific discoveries. **Satisfies: HC BaccCore - Literature and the Arts; OR Western Culture**

BI 223H *Principles of Biology*

4 HC Credit(s)

CRN: 59381	**Section** 001	LEC	**MWF & GRP MID 1300 - 1350**	Nathan Kirk
		AND one of the LAB sections below		
CRN: 59382	**Section** 010	LAB	**W 1400 - 1650**	Carmen Harjoe
CRN: 59383	**Section** 011	LAB	**Th 800 - 1050**	Noah Silva de Leonardi
CRN: 59384	**Section** 012	LAB	**F 1400 - 1650**	Noah Silva de Leonardi

Instructor(s): Nathan Kirk

Genetics, evolution, natural selection, and ecology. PREREQS: (BI 221 or 221H) and ((CH 121* or 201*) or ((CH 231* or 231H*) and (CH 261*, 261H* or 271*))).* May be taken concurrently. **Course Fee: $12. Satisfies: HC BaccCore - Biological Sciences**

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CH 233H *Honors General Chemistry* — 4 HC Credit(s)

CRN: 53600	**Section** 001	LEC	**MWF 1200 - 1250**	Kevin Gable
		AND choose one recitation section		
CRN: 53601	**Section** 010	REC	**T 1400 - 1450**	Kevin Gable
CRN: 53639	**Section** 011	REC	**Th 1100 - 1150**	Kevin Gable
		AND choose one CH 263H lab section		

CH 263H *Laboratory for CH 233H* — 1 HC Credit(s)

CRN: 53599	**Section** 010	LAB	**T 1500 - 1750**
CRN: 53886	**Section** 011	LAB	**Th 1200 - 1450**

Instructor(s): Micheal Burand

Third course in General Chemistry sequence for Honors College students with one-year high school chemistry. This sequence examines the characteristics of molecular and atomic behavior and the way in which these influence chemical properties and reactions. Prereq for CH 233H: CH 232/232H or CH 222. Prereqs for CH 263H lab: CH 262/262H or CH 272 or CH 222 or CH 225H. **Course Fee: $30. Satisfies: HC BaccCore** - **Physical Sciences**

CS 391H *Social and Ethical Issues in Computer Science* — 3 HC Credit(s)

CRN: 56720	**Section** 001	LEC	**MWF 1200 - 1250**

Instructor(s): Pam VanLonden

In-depth exploration of the social, psychological, political, and ethical issues surrounding the computer industry and the evolving information society. RESTRICTIONS: Minimum of junior standing required. **Satisfies: HC BaccCore** - **Science, Technology, Society**

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

CRN: 57676	**Section** 001	LEC	**MWF 1200 - 1250**

Instructor(s): Mike O'Malley

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

ES 445H *Native American Science and Technology* — 4 HC Credit(s)

CRN: 59388	**Section** 001	LEC	**MW 1400 - 1550**

Instructor(s): David Lewis

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

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FILM 220H *Queer Cinema*

4 HC Credit(s)

CRN: 59389 **Section** 001 LEC **MWF 1000 - 1050**

Instructor(s): Zachary Price

Queer cinema, despite its counter-cultural roots, must work within the larger movie industry it aims to critique. This class examines how queer cinema since the 1990s intervenes in public debates over the rights and representation of sexual minorities. As a class, we will understand the stakes of this visibility and the consequences of looking closely at desire. **Satisfies: HC BaccCore** - **Difference, Power, and Discrimination**

GEOG 340H *Introduction to Water Science and Policy*

3 HC Credit(s)

CRN: 60068 **Section** 001 LEC **TTh 1400 - 1520**

Instructor(s): Michael Campana

Policy and science of the hydrologic cycle. Emphasis on interaction between water's natural time-space fluctuations and human uses. Water-climate-land-society nexus; water/environmental racism. **Satisfies: HC BaccCore** - **Science, Technology, Society**

HC 199 *Honors Writing*

3 HC Credit(s)

Choose one lecture section below

CRN: 51045 **Section** 001 LEC **MWF 1100 - 1150**

CRN: 51665 **Section** 002 LEC **MWF 1300 - 1350**

CRN: 53217 **Section** 003 LEC **TTh 1000 - 1120**

Instructor(s): Eric Hill

Becoming a critical reader and thinker promotes clear writing and verbal communication. You will hone your skills in a discussion/debate format, along with frequent in-class writing assignments and presentations. You will also further develop your abilities to be a critical reader. We will be examining texts from many disciplines and on a variety of topics; you will also bring in examples for discussion. The research paper, which includes both formal documents and informal writing, will focus on an ethical/controversial issue or current research within your discipline; this will include field and library research. PREREQS: WR 121/121H. **Satisfies: HC BaccCore** - **Writing II**

HST 106H *World History III: The Modern and Contemporary World*

3 HC Credit(s)

CRN: 59417 **Section** 001 LEC **T 1600 - 1850**

Instructor(s): Trina Hogg

A survey of the historical development of several world civilizations from the 18th century to the contemporary period. Exploration of religious, cultural, social, political, and economic institutions of various societies. Cultural diversity analysis of both ancient Western and non-Western civilizations. **Satisfies: HC BaccCore** - **Western Culture OR Cultural Diversity**

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HST 319H *The History of Human Rights in the Modern World*

4 HC Credit(s)

CRN: 59418 **Section** 001 LEC **TTh 1200 - 1350**

Instructor(s): Katie Hubler

Historical examination of the articulations, development, and enforcement of human rights in a global context since the 1770s. Particular attention devoted to nineteenth-century transnational humanitarian missions, wartime codes of conduct, international war crimes tribunals, European imperialism and decolonization, twentieth-century genocides, the International Criminal Court, the United Nations' "Universal Declaration of Human Rights" (UDHR), and the legacy of the UDHR. **Satisfies: HC BaccCore** - **Contemporary Global Issues**

PAC 145H *Modern Dance I*

1 HC Credit(s)

CRN: 59419 **Section** 001 ACT **MW 1000 - 1050**

Instructor(s): Lila Reid

Study of Movement I is an introductory, experiential course focusing on basic principles of movement: body, space, energy, and time. The course emphasizes the study of these elements through an exploration of creative movement, modern and contemporary dance techniques, and improvisation. Students will also learn about modern dance history from the 20th century to present day. The course will develop skills that include alignment, kinesthetic memory, rhythm, footwork, spinal articulation, dynamic range, and musicality. Additionally, students will look critically at movement both inside and outside of class in a breadth of different styles. Students will gain an appreciation of modern dance as an art form that is both a reflection of and and impetus for contemporary cultures. **Course Fee: $57. Satisfies: HC BaccCore** - **Fitness**

PAC 293H *Interdisciplinary Yoga: Mindfulness Skills*

1 HC Credit(s)

CRN: 56664 **Section** 001 ACT **T 1400 - 1550**

Instructor(s): Tsipora Berman

A multisensory, interdisciplinary, yoga experience using the OSU campus and surrounding parks as the classroom. Take Yoga outdoors! Get out of the lab or the office, off the computer or phone, away from your daily tasks, and take yoga, breathing, walking break exploring the campus in a new way with yoga investigations. Rejuvenate and renew with gentle to moderate walking, incorporating Environmental Education, Mindfulness, Neuroscience, Earthing, Forest Bathing, and Ecopsychology including reflection, walking meditation, postures that stretch, strengthen, and balance mind/body. Learn how you can use curbs, trees, stairs, chairs and benches for yoga and earthing. Explore the outdoors with a new perspective to help bring clarity every time you step outside with a heighten awareness of the present moment. Yoga is one of the oldest systems for personal development in the world, encompassing body, mind and spirit.
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**

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PAC 325H *Wilderness First Aid* 1 HC Credit(s)

CRN: 59420 **Section** 001 ACT **W 1400 - 1550**

Instructor(s): Sheila Evans

Crunch! Uhg… Ouch! Do you recreate with accident-prone friends or family? Do you spend any time playing in the outdoors? Knowing the fundamentals of emergency care in non-urban environments 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. All-day in-person field trip Saturday, May 15th, compliant with COVID modifications. 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. (No Prerequisites) **Course Fee: $167. Satisfies: HC BaccCore - Fitness**

PH 211H *General Physics with Calculus* 4 HC Credit(s)

CRN: 60062 **Section** 001 LEC **MWF 1100 - 1150**

AND choose one lab section below

CRN: 60063 **Section** 010 LAB **T 1600 - 1750**

CRN: 60064 **Section** 011 LAB **T 1800 - 1950**

Instructor(s): Liz Gire

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. **Satisfies: HC BaccCore - Physical Sciences**

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

Choose one recitation section below

CRN: 51615 **Section** 001 REC **Th 1100 - 1150** Staff TBD

CRN: 59421 **Section** 002 REC **T 1400 - 1450** Staff TBD

Instructor(s):

Honors recitation reserved for HC students enrolled in lecture/lab sections of PH 211 or PH 211H. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Coreq: PH 211/211H. **Graded: P/N. Satisfies: HC BaccCore - Physical Sciences**

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

CRN: 52336 **Section** 001 REC **T 1100 - 1150**

Instructor(s): Staff TBD

Honors recitation reserved for HC students enrolled in lecture/lab sections of PH 213. 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**

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PHL 205H *Ethics*

4 HC Credit(s)

CRN: 59422 **Section** 001 LEC **TTh 1200 - 1350**

Instructor(s): Ben Stenberg

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

REL 210H *Religion in the United States*

4 HC Credit(s)

CRN: 59427 **Section** 001 LEC **TTh 1200 - 1350**

Instructor(s): Amy Koehlinger

A thematic overview of the historical study of religion in the United States, with an eye toward ways that social and cultural contexts have shaped the religious experience of Americans in different places and times. Surveys a wide array of religious movements, groups, and individuals from the colonial period to present. **Satisfies: HC BaccCore** - **Difference, Power, and Discrimination**

WGSS 340H *Gender and Science*

3 HC Credit(s)

CRN: 59428 **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 224H *Introduction to Fiction Writing*

3 HC Credit(s)

CRN: 58561 **Section** 400 online **online**

Instructor(s): Rob Drummond

This special Honors section of WR 224—which fulfills your WR II Bacc Core requirement!—will put an Honors College-twist on the traditional approach to introductory fiction writing. All levels of writing experience and background are welcome! Our goal will be to build your proficiency and comfort level with the elements of compelling fiction writing through discrete exercises and careful reading. In the latter part of the term, you'll apply these newfound skills as you develop your fiction portfolio, the heart of which will be your own completed and revised short story. You'll walk out of the class a better writer and a more discriminating consumer of stories in all mediums. **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. **Satisfies: HC BaccCore** - **Writing II**

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WR 327H *Technical Writing*

3 HC Credit(s)

CRN: 59429 **Section** 001 LEC **TTh 1400 - 1520**

Instructor(s): Emily Elbom

Technical Writing (WR 327H) will prepare you to produce instructive, informative, and persuasive documents aimed at well-defined and achievable outcomes. Technical documents are precise, concise, logically organized, and based on factual information. The purpose and target audience of each document determines the style that an author chooses, including document layout, vocabulary, sentence and paragraph structure, and visuals. To this end, this course will teach processes for analyzing writing contexts and producing effective, clean, and reader-centered documents in an efficient manner. You can expect to gather, read, and present the technical content of your field to various audiences in attractive, error-free copy, as well as to learn strategies for presenting that content orally. PREREQS: WR 121/121H. RESTRICTIONS: Minimum of sophomore standing required. **Satisfies: HC BaccCore** - **Writing II**

WR 362H *Science Writing*

3 HC Credit(s)

CRN: 59430 **Section** 001 LEC **TTh 1000 - 1120**

Instructor(s): Ehren Pflugfelder

Students learn and practice the conventions for writing scientific material for a variety of audiences. Involves writing and research assignments, multimedia presentations, lecture, and in-class and online activities. PREREQS: WR 121/121H. **Satisfies: HC BaccCore** - **Writing II**

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Spring 2021 Corvallis HC Colloquia

BB 407H *Protein Portraits*

2 HC Credit(s)

CRN: 57675 **Section** 001 SEM **TTh 1100 - 1150**

Instructor(s): Phil McFadden

Protein Portraits is the Oregon State University Honors College course that adds paint brushes, modeling clay and computer graphics to the toolkit for studying protein molecules. We build protein molecules as we imagine them, depicting them as reflections of not only experimental science but of our living experience in the world. Each student will choose a protein molecule as a subject for artistic portrayal. A highly interactive classroom is expected as our personalized artistic projects advance toward completion during our ten weeks together. At the end of the term we will choose how to share our works with the public, possibly in a show that will display our works In LINC during finals week. To get a feel of the class (and to look at course activities in past terms), check out the course blog at http://blogs.oregonstate.edu/psquared/. Or just search for Protein Portraits and you'll find the course quite easily. Many lasting friendships have been made in Protein Portraits. Hope to see you one of these terms! **Satisfies: HC Colloquia**

ENGR 299H *From Lab to Industry: Electrochemical Energy Systems*

1 HC Credit(s)

CRN: 59387 **Section** 001 SEM **T 900 - 950**

Instructor(s): Zhenxing Feng

This course emphasizes the experiential learning on how lab-scale research for electrochemical energy systems can be transferred to everyday products. These electrochemical energy systems include capacitors/super capacitors, batteries, fuel cells, electrolyzers, and photoelectrochemical devices. The everyday products refer to portable electronics, stationary storage systems, electric vehicles, water splitting for hydrogen generation, and so on. At the beginning of the course, brief fundamentals of electrochemistry and related concepts will be introduced via lectures. Then this course will be presented in form of virtual lab demos, seminars, class discussions and presentation, and group design. **Satisfies: HC Colloquia**

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

1 HC Credit(s)

CRN: 53887 **Section** 002 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 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**

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HC 407 *Writing About Film*

1 HC Credit(s)

CRN: 51046 **Section** 001 SEM **F 1400 - 1450**

Instructor(s): Eric Hill

This class will explore how we experience film before, during, and after the fact. We often bring expectations to the films we see based on what we have heard from others, as a result of advertising (posters, previews, etc.), or in reaction to the film's subject matter. Many films must overcome these expectations, while others rely on public expectations as a way of drawing an audience into the theater. When we watch a film, much of what we experience can be contextualized by expectations (some become shattered, some are met, some get reworked), environment (going to a theater versus renting DVD), and our frame of mind at the time (consider a film you saw years ago that you experience anew).
This is not a film theory class (although we will use some theory) as much as it is an opportunity to examine and discuss how and why we respond to film in certain ways. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *STEM Outreach as Service Learning*

2 HC Credit(s)

CRN: 53614 **Section** 002 SEM **Th 1800 - 1950**

Instructor(s): Skip Rochefort & Margaret Haak

This colloquium will focus on doing. Students will learn about the delivery of STEM content in typical outreach environments. As students will be learning by doing, a course requirement is participating in five K-12 Outreach events. These 10 hours of outreach participation (approximately every other week) will be part of the course time requirements. Examples of such service learning opportunities are: Family Science and Engineering Nights, SEA Day at Knights game, and school campus visits. Students will also work in groups to develop an outreach activity that can be used at events such as Family Science & Engineering Nights. **Satisfies: HC Colloquia**

HC 407 *A Recovery Plan for a Sick Society*

2 HC Credit(s)

CRN: 57678 **Section** 003 SEM **Th 1200 - 1350**

Instructor(s): Richard Clinton

Business as usual isn't working -- consumerism, the "distractions industry", and never-ending growth haven't made us happier. Neither have our compulsion for personal advancement and our tepid concern for the common good. The individual, social, and environmental costs of this cultural crisis are becoming intolerable. Our seminar will be structured around readings from *Enough Is Enough: Building A Sustainable Economy In A World Of Finite Resources*. A 2-page "critical reaction" paper on the week's reading will prepare you for class discussions and provide me with opportunities to offer suggestions for improved writing. In essence, we will be confronting head-on the unsustainable way of life of the modern era and examining some well-conceived alternatives. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 Plastics for Poets

2 HC Credit(s)

CRN: 53234 **Section** 004 SEM **Th 1600 - 1750**

Instructor(s): Skip Rochefort

In one of the most memorable scenes from the 1967 movie classic "The Graduate", Ben (Dustin Hoffman) is given an invaluable piece of advice by Mr. McGuire, one of his father's oldest business friends:
Mr. McG: Ben, come with me for a minute. I want to talk to you. I just want to say one word to you. Just one word.
Ben: Yes sir
Mr. McG: Are you listening?
Ben: Yes, I am sir.
Mr. McG: PLASTICS!
Ben: Exactly how do you mean?
Mr. McG: There's a great future in PLASTICS. Think about it. Will you think about it?
Ben: Yes, I will sir.
And indeed they were the future and still are a major part of the present (because they don't break down and will never go away!). This colloquium will expose students to their reliance on plastics in every aspect of their daily lives -- from soft drinks, shampoos, and baby diapers to automobiles. The material will be presented in such a way that it is accessible to students from all majors. There are no pre-requisites for the course -- other than a genuine interest in learning how and why many of the items we encounter each day are made. After some introductory overview material, the course direction will be determined in large part by the interests of the participants.
There will be a series of demonstrations and experiments on making plastics and other gel materials; measuring the properties of plastics; plastics recycling; paper vs. plastic; plastics in food; and the best part of all -- plastic toys! Each student will be given their very own example of what has been called by some educators (yours truly included) "...the most educational toy ever invented". **Satisfies: HC Colloquia**

HC 407 Analyzing Humor

2 HC Credit(s)

CRN: 55890 **Section** 006 SEM **M 1400 - 1550**

Instructor(s): Eric Hill

The writer E.B. White once said, "Humor can be dissected as a frog can, but the thing dies in the process and the innards are discouraging to any but the pure scientific mind." We'll be killing a lot of frogs in this course, examining many types of humor -- including satire (Horatian versus Juvenalian), burlesque, parody, irony, gallows, anti-humor, and more. Students will write analyses and present examples of humor in class, but they will also present their own attempts at writing humor. Students will learn about the various theories of humor, the history and development of different types of humor, and how to use the tools of analysis to examine the various mechanisms of humor. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Principles of Comparative Planetology

2 HC Credit(s)

CRN: 53602 **Section** 007 SEM **TTh 1000 - 1050**

Instructor(s): Randall Milstein

Planetology - often referred to as planetary science - is an interdisciplinary field combining planetary astronomy with geology, geophysics, geochemistry, geomorphology, atmospheric sciences, oceanography, hydrology, glaciology, and astrobiology with intent to describe and suggest physical conditions and processes on other celestial bodies including planets, dwarf planets, moons, and asteroids. HC 407 Principles of Comparative Planetology provides students with an introduction to the fundamental scientific principles of comparative planetology with particular attention to how we know what we know about other celestial bodies and the state of current technologies used to gather Solar System data. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 *What Is Creativity?*

2 HC Credit(s)

CRN: 59391 **Section** 008 SEM **W 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 *Biomimicry: Wisdom and Inspiration From Nature to Solve Human Challenges*

1 HC Credit(s)

CRN: 57679 **Section** 009 SEM **T 900 - 950**

Instructor(s): Shanna Ruyle

Design like nature. Learn how to use a biomimicry design framework to solve a design challenge. You will find your challenge and apply the framework and principles of nature to solve it in a way nature might. Expect to learn how in class when we meet, and also get outside to let nature inspire you. Each week will build upon the next and by the end of class, you'll have had hands-on experience of the full process, with design evidence to prove it (and share!). **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Apply Here: National Awards, Fellowships, and More*

1 HC Credit(s)

CRN: 59392 **Section** 010 SEM **F 1000 - 1050**

Instructor(s): LeAnn Adam

This learning community is designed to guide students through the process of identifying nationally competitive fellowships such as Fulbright, Truman, Rhodes, and Marshall and preparing to apply. Topics covered include risk taking in competitive scenarios and historical legacies of national awards, as well as how to obtain strong letters of recommendation, engage in self-reflection regarding short and long- term goals, write compelling research proposals and personal statements, and develop strong interviewing skills. Students will work collaboratively, regularly sharing samples of their work for feedback and documenting lessons learned in an online journal. At the completion of the colloquium, students will produce either a full sample application package or an application for an actual scholarship. Though the focus is fellowships, the skills gained in this class also apply more broadly to other scholarships, graduate school applications, and job searches. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 *Ecology, Sustainability, and Human Health* 1 HC Credit(s)

CRN: 55230 **Section** 011 SEM **Th 1000 - 1150**
Meets weeks 2, 4, 6, 8, and 10 only

Instructor(s): Viktor Bovbjerg

The confluence of ecology and human health is key to sustainability—to the continued presence of people on the earth. We will explore population, community, and individual health through the lens of ecology, how humans interact with other organisms and their environments. The course will be a mix of field work and discussion. Field work will consist of visiting natural and human-altered/built environments, to assess their potential relationships to human health. These trips will form the basis for discussion, to illustrate the deeper relationships of humans and human health to the living and physical environment. **Meets weeks 2, 4, 6, 8, and 10 only. Graded: P/N. Satisfies: HC Colloquia**

HC 407 *From Zombies to Preppers: America's Obsession with Apocalypse* 2 HC Credit(s)

CRN: 54656 **Section** 012 SEM **Th 1000 - 1150**

Instructor(s): Robert Drummond

To judge from the ongoing glut of movies and books set in a post-apocalyptic world, America is addicted to the fantasy of doomsday--and that was before the planet entered a very real global pandemic. How will the pandemic change our addiction to apocalypse-as-entertainment--if at all? Will movies, books, video games, and streaming series still be fun? We'll hold that as a guiding question as we explore America's appetite for an apocalypse, considering where this yearning comes from and seeking to understand why it's eternally compelling. We'll also look at how it's spilling over to reality in the form of "prepping." If you can think of a catastrophic global event capable of wiping out most of the world's human population, then there are people preparing (prepping) to survive it. When these preppers talk and plan for the loss of governmental and societal structure, are they fretting or fantasizing? In other words, are they harmless people with a hobby, or is there something more disturbing behind their growing numbers? And are they all that different from those of us who simply enjoy watching our favorite celebrities fight teeming swarms of zombies on the big screen? This course will involve a variety of readings and films as we seek to get to the bottom of this issue. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 59406 **Section** 013 SEM **Th 800 - 950**

Instructor(s): Ken Winograd

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

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HC 407 *Leadership and Positive Psychology* 2 HC Credit(s)

CRN: 55889 **Section** 014 SEM **M 1000 - 1150**

Instructor(s): Don Johnson

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

HC 407 *Exploring Art Through Creative Writing* 2 HC Credit(s)

CRN: 59407 **Section** 016 SEM **F 1600 - 1750**

Instructor(s): Jeff Fearnside

Utilizing original artwork as examples, students will produce their own original pieces of writing (either poetry or prose) that responds to the art in some significant way. Involves reading assignments, formal writing assignments involving research, roundtable (virtual) discussions, online activities, and student-led interactions with visiting artists and writers. Exploring art through creative writing, also known as ekphrastic writing, is simply writing about art—not criticism but rather creative writing that attempts to evoke the original artwork in some way. The subject can be a painting, photograph, sculpture, ceramic bowl, tapestry, video installation—anything from the world of art. There's a long tradition of writing responding to visual art. This class aims to take advantage of seeing the artworks, with the benefit of the artists or other professionals in the field to offer their own behind-the-scenes takes. Advanced knowledge of art is not needed for this class! All that is needed is an interest in exploring art through writing. The necessary background and history of the art we will explore will be provided. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *A World of Color: The Science and Engineering of Color* 2 HC Credit(s)

CRN: 59408 **Section** 017 SEM **W 1200 - 1350**

Instructor(s): David Cann

Our world is surrounded by color and this colloquium class will explore the physics, chemistry and engineering of color. Using examples all around us, we'll discuss the physical mechanisms that create our perception of color. We'll examine examples of color in the natural world, including the blue sky, green grass, red blood, and colorful butterfly wings. We'll also look at how and why color is used in technology and art, from shiny gold coins to road surface markings to display technologies to pigments and dyes. The objective of the course is to see color through the prism of the underlying science to better appreciate how it is perceived. **Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 55231 **Section** 018 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. The technical skills and scientific research will be open and accessible to all students, regardless of previous background or experience. $25 course fee. **Satisfies: HC Colloquia**

HC 407 *John Steinbeck's Pacific* 1 HC Credit(s)

CRN: 56026 **Section** 020 SEM **T 1100 - 1150**

Instructor(s): Holly Campbell

Throughout this course, we will examine The Log from the Sea of Cortez, the book chronicling the voyage of John Steinbeck and Ed Ricketts to collect marine fauna in the Gulf of California. The course will employ interdisciplinary lectures, discussions, group and individual research, guest lectures and film to explore the work's rich context in terms of coastal marine science and investigation, politics (U.S. and natural resource), history and natural history, friendship, philosophy, ethics, and navigation. The class will culminate in a discussion of the literal and figurative meanings of terms such as expedition, voyage, and discovery, their relevance to contemporary society, and how we may interpret these terms within our lives both as individuals and communities confronted with a changing environment. **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 *Imaging the Universe*

1 HC Credit(s)

CRN: 57682 **Section** 022 SEM **Th 1700 - 1750**

Instructor(s): Tom Carrico

The universe is far more than what our eyes can see. With the help of remote access software, students will be able to view and image the night sky. Students 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 experience a star party (remotely) with a wide range of telescopes, and spend many evenings photographing the universe using cameras they can connect to and control from their home. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Human Technological Enhancement*

2 HC Credit(s)

CRN: 59411 **Section** 023 SEM **M 1400 - 1550**

Instructor(s): Stuart Sarbacker

This course is an exploration of technological enhancements that are transforming humanity and the philosophical and religious implications of their use. We will focus especially on questions regarding human augmentation or "human engineering" in which technology is utilized to restore or to enhance human physical and cognitive capacities. Through reading and discussion and participation in experiments in technology-driven contemplative practices, we will explore the promises and challenges that emerging technologies pose for contemporary society. We will begin the course by reflecting on the relationships between religion, philosophy, science, and technology, including the ways in which theories of the Social Construction of Technology (SCOT) and Science, Technology, and Society (STS) link science and society. From that foundation, we will turn to examine a number of examples of human enhancement, including the use of prosthetic limbs, sensory apparatuses, and medical enhancement, cybernetics, virtual and augmented reality, nootropics and psychedelics, and life-extension technologies. Throughout the course, we will explore the quasi-religious movement of Transhumanism, in which technological enhancement is viewed as a moral or evolutionary imperative, and its enthusiastic adherents, including "biohackers." We will discuss the complex religious, social, and ethical issues at stake with respect to human augmentation, with special attention to the ways in which such technologies have transformed, and will continue to transform, civilization as we know it. **Satisfies: HC Colloquia**

HC 407 *Philosophy of Happiness*

2 HC Credit(s)

CRN: 57685 **Section** 024 SEM **TTh 1000 - 1150**
Meets weeks 1-5 only

Instructor(s): Marta Kunecka

We all have a desire to be happy. Is human need for happiness causing us to suffer while looking for an unobtainable illusion or is this desire substantial and necessary to live a fulfilled life? What is it that we are looking for ? What, in fact, is happiness—can it even sustain a definition?
In this course students will immerse themselves in the wisdom of some of the greatest philosophers, and search for answers which can become guidelines for life. By closely examining the thought of a few chosen Western and Eastern thinkers as well as analysis of studies emerging from the field of positive psychology, students will explore and brainstorm different ideas of happiness in order to find its essence. The course will be based on analysis of the texts and vibrant class discussions. It will also allow students to get involved in the experiential learning process by asking to immerse themselves in the creative processes which will include introspection and mapping their state of happiness throughout the course as well as getting involved in practical activities that enhance their own state of mind such as gratitude, compassion etc. **Meets weeks 1-5 only.** **Graded: P/N. Satisfies: HC Colloquia**

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HC 407 *Science, Ethics and Star Trek*

1 HC Credit(s)

CRN: 56660 **Section** 025 SEM **Th 1400 - 1450**

Instructor(s): Diana Rohlman

"What you're doing isn't self-defense. It's the exploitation of another species for your own benefit. My people decided a long time ago that that was unacceptable, even in the name of scientific progress." Captain Kathryn Janeway, 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**

HC 407 *The Story of Dogs*

2 HC Credit(s)

CRN: 59412 **Section** 026 SEM **T 1400 - 1550**

Instructor(s): Michelle Kutzler

From Chihuahua to Bernese mountain dog and English bulldog, dogs come in such an amazing variety it's hard to believe they belong to the same species. The entire history of dogs and their relationship with humans has become more clear due to high-tech molecular dating methods that can determine evolutionary relationships and chronologies. The dog, Canis familiaris, is a direct descendent of the gray wolf, Canis lupus. DNA analysis suggests that approximately 130,000 years ago, wolves began to transform in both behavior and form into domestic dogs. In this class, we will explore the possible evolutionary causes of this transformation as well as learn about the form and function of several breeds of dogs from breeders. Students will also research additional breeds and present their findings to the class. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *What Makes Your Neighborhood Healthy: Investigating Policymaking in Action*

2 HC Credit(s)

CRN: 59413 **Section** 027 SEM **W 1600 - 1750**

Instructor(s): Marion Ceraso & Allison Myers

Our health is determined more by our zip code than by our genetic code. But who makes the decisions driving what our neighborhoods, schools and workplaces look like? This course will take students through a journey of exploration of case studies and live, real-world debates, in the places where the decisions that impact their health happen. These decisions can be far-ranging, from a local school district deciding how to reduce exposure to junk-food advertising, to county health departments helping address housing and homelessness, to state legislators working to reduce greenhouse gas emissions or achieve safe storage of firearms, to federal policymakers acting to improve family and medical leave. Students will have the opportunity to virtually attend live policymaking events. These could include but are not limited to a local city council, school board, or county commission meeting, a hearing at the Oregon State Legislature, or a live-streamed hearing of a committee within the US Senate or House of Representatives. **Satisfies: HC Colloquia**

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HC 407 *The United States Supreme Court: Exploring, Critically Analyzing, and Demystifying Selected Landmark Cases and Controversies* 2 HC Credit(s)

CRN: 59414 **Section** 028 SEM **F 1400 - 1550**

Instructor(s): Thomas Scheuermann

This course comprises an introduction to and exploration of the workings and decisions of the U.S. Supreme Court -- through focusing on three landmark cases chosen for their impact on U.S. society and social/political discourse, and because of their controversial – and frequently misunderstood – rulings and rationales. Students will engage in basic legal research on and exploration of these cases and related/underlying sources of law and opinion. The class will be encouraged to think deeply and critically about the impact of the rulings in these cases -- through presenting and leading discussions with fellow students on three landmark decisions. Case presentations and class discussions will by design include differing, including opposing, points of view and perspectives. An overall goal of the course is for the students (and the instructor) to achieve a deeper and more nuanced understanding of Supreme Court case law and processes in general, to appreciate the logic and legitimacy of differing perspectives on these cases and issues, and to de-mystify both the process and content of Court rulings. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *What is a Good Society?* 1 HC Credit(s)

CRN: 58117 **Section** 029 SEM **T 1200 - 1350**
Meets weeks 1-5 only

Instructor(s): Tenisha Tevis

Incorporating materials from the humanities, social sciences, and education, this course invites students to self-examination and engaged citizenship. Such grounding will help students develop the agency and flexibility necessary to navigate a rapidly changing political, social, and economic environment. The course will cover topics related to the relationship between athletes and activism, ethics and religion, and explore the role of identity politics in today's society. **Meets weeks 1-5 only. Graded: P/N. Satisfies: HC Colloquia**

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

CRN: 59416 **Section** 031 SEM **F 1100 - 1150**

Instructor(s): Diana Rohlman

“Some day, my people are going come up with some sort of a doctrine, something that says what we can and can't do out here, should and shouldn't do.” Captain Jonathan Archer.
This course continues the conversation we started in Science, Ethics and Star Trek, but you can take this course whether or not you’ve taken the original course. Scientific advances move at a pace that far exceeds our ability to consider the ethical implications of these advancements. As dual-use technologies continue to grow, these ethical considerations grow as well. We will boldly examine current scientific advances through the lens of Star Trek. This course will focus on emerging ethical dilemmas (examples include genetic engineering, big data, artificial intelligence and more) and use all new episodes. Engage! **Satisfies: HC Colloquia**

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HC 407 *The Handmaid's Tale*

2 HC Credit(s)

CRN: 58512 **Section** 033 SEM **MW 900 - 950**

Instructor(s): Eliza Barstow

In this course, you will read Margaret Atwood's novels *The Handmaid's Tale* and *The Testaments*, and you will also watch the first season of the Hulu adaptation of *The Handmaid's Tale*.
Both the novels and the television show force us to ask difficult questions about personal freedom; the responsibilities of national governments; the relationships between men, women, and children; the diverse ways in which religion can be interpreted and put to use in society; and the nature and causes of human happiness. Moreover, the content of these stories require us to take a hard look at United States history (most specifically at the history of slavery and the exploitation of black bodies) and also at our many potential futures as a society.
In this class, your engagement with the material will culminate in the production of a short piece of fiction (or possibly a screen play or poem) in which you write from the standpoint of one of the characters we meet in Gilead. As a class, we will create a collection of stories that broadens our understanding of the many people who inhabit and shape everyday life in Gilead. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 *Imaging the American West*

2 HC Credit(s)

CRN: 60065 **Section** 034 SEM **Th 1000 - 1150**

Instructor(s): John Campbell

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

HC 407 *Wikipedia and Information Equity*

2 HC Credit(s)

CRN: 60066 **Section** 035 SEM **F 1000 - 1150**

Instructor(s): Diana Park & Laurie Bridges

We all use Wikipedia—it's the 5th most visited website in the world! But, who creates and edits Wikipedia? There are almost 300 separate (language) Wikipedias, yet, the Wikimedia Foundation has noted that Wikipedia suffers from the bias of its editors, the majority of whom are, "technically inclined, English-speaking, white-collar men living in majority-Christian, developed countries in the Northern hemisphere." In this class we will all become creators and editors in order to address gaps in knowledge in Wikipedia. We will discuss Wikipedia's place in society with a focus on knowledge creation and sharing. In class we will have discussions, activities, and work in small groups. Outside of class you work through online modules from wikiedu.org - the modules have been designed and used with thousands of students to deliver the "how to" of creating and editing in Wikipedia. Note: If you are bilingual or multilingual, there will be opportunities to translate Wikipedia articles. **Graded: P/N. Satisfies: HC Colloquia**

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PH 407H *The Physics and Philosophy of Time*

1 HC Credit(s)

CRN: 54376 **Section** 001 SEM **F 1400 - 1450**

Instructor(s): Albert Stetz

This is a one-credit Honors College seminar course intended for all Honors students regardless of major or class standing. We will explore such questions as what is time anyway? Why does time have a definite direction despite the fact that most of the equations of physics are time-symmetric? Does time flow like a river or do we move through it? What time was it before the universe came into existence, and in fact does time make any sense during the very earliest stages of the expansion of the universe? These are traditional philosophical questions for which modern physics has some surprising answers, and as you might expect, these answers raise further questions. **Satisfies: HC Colloquia**

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Spring 2021 Corvallis HC Electives

BA 162H *Innovation Nation - Ideas to Reality*

2 HC Credit(s)

Honors students should register for section 019 AND choose ONE of the following sections: 010, 012, or 014 (for in-person options) OR 110, 112, or 114 (for remote options).

CRN: 55888	**Section** 019	REC	**F 0900 - 0950**	Sandra Neubaum

choose ONE of the following LEC sections:
010, 012, or 014 (for in-person options)
OR
110, 112, or 114 (for remote options)

CRN: 55882	**Section** 010	LEC	**TTh 1100 - 1150**	Staff TBD
CRN: 55884	**Section** 012	LEC	**TTh 1300 - 1350**	Staff TBD
CRN: 55886	**Section** 014	LEC	**TTh 1400 - 1450**	Staff TBD
CRN: 59926	**Section** 110	LEC	**TTh 1100 - 1150**	Staff TBD
CRN: 59928	**Section** 112	LEC	**TTh 1300 - 1350**	Staff TBD
CRN: 59930	**Section** 114	LEC	**TTh 1400 - 1450**	Staff TBD

Second course in a two-course sequence. Topics include evaluating entrepreneurial capabilities, creativity and innovation, opportunity recognition, impression management, and responsible business practices. Continues a conversation on self-management, offering opportunities for active reflection on critical skill sets necessary for success in today's global market. **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 following sections: 010, 012, or 014 (for in-person options) OR 110, 112, or 114 (for remote options). 2 out of the 3 credits earned will count toward Honors requirements.** PREREQS: BA 161/161H. RESTRICTIONS: For first-year, pre-business students only. **Satisfies: HC Elective**

BA 240H *Finance*

4 HC Credit(s)

CRN: 59366	**Section** 001	LEC	**TTh 800 - 950**

Instructor(s): Dennis Adams

Introduces basic tools of finance and applications of financial theory in use today. These tools include rates of return, the time value of money, those that can be applied to capital budgeting decisions, and the logic and fundamentals of financial statements. It is designed to enhance a student's approach to financial decision-making and emphasizes quantitative approaches to decision making. This course will also introduce students to equity and debt markets and securities, and serves as a stepping stone to advanced courses in finance. PREREQS: BA 211/211H and ECON 201/201H. RESTRICTIONS: For Business majors/minors only. Minimum of sophomore standing required. **Satisfies: HC Elective**

BA 260H *Introduction to Entrepreneurship*

4 HC Credit(s)

CRN: 55878	**Section** 001	LEC	**MW 1600 - 1750**

Instructor(s): Manuela Hoehn-Weiss

Topics include evaluating entrepreneurial capabilities, creativity, business plan creation, opportunity assessment and feasibility analysis, business implementation, new product introduction, and seeking funds. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** RESTRICTIONS: Pre-Business Majors/Minors only. Minimum of sophomore standing required. **Satisfies: HC Elective**

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BA 270H *Business Process Management*

4 HC Credit(s)

CRN: 56654 **Section** 001 LEC **TTh 1400 - 1550**

Instructor(s): Venkataramani Raja

Integrates core concepts from Business Information Systems (BIS) with those of Operations Management and introduces a process-oriented view of the flows of materials, information and services through and across organizations. The course helps students identify information-bearing events, assess and improve process efficiency, learn to model and analyze business processes, and understand the interactions between human behavior and process design. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** PREREQS: BA 275/275H RESTRICTIONS: Business majors/minors only. Minimum of sophomore standing required. **Satisfies: HC Elective**

BA 347H *International Business*

4 HC Credit(s)

CRN: 59370 **Section** 001 LEC **TTh 1000 - 1150**

Instructor(s): Rick Wascher

Integrated view of international business including current patterns of international business, socioeconomic and geopolitical systems within countries as they affect the conduct of business, major theories explaining international business transactions, financial forms and institutions that facilitate international transactions, and the interface between nation states and the firms conducting foreign business activities. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** Prereqs: ECON 202/202H and (BA 230/230H or BA 330). RESTRICTIONS: Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

BA 357H *Operations Management*

4 HC Credit(s)

CRN: 59372 **Section** 001 LEC **MW 1400 - 1550**

Instructor(s): Gary Micheau

Decision making in managing the production of goods and services: product planning, process planning, facility planning, control of quantity, cost and quality. Special emphasis on exponential forecasting, inventory management, work methods, project management, productivity improvement, and international comparisons. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** PREREQS: (BA 275/275H or BA 276) and (BA 270/270H or BA 302/302H) RESTRICTIONS: Business majors/minors only. Minimum of junior standing required. **Satisfies: HC Elective**

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BA 466H *Integrative Strategic Experience*

4 HC Credit(s)

CRN: 56656 **Section** 001 LEC **TTh 1200 - 1350**

Instructor(s): John Morris

Provides students with an overview of the basic concepts in strategic management. Students learn frameworks and models to understand and analyze a firm's external environment and internal resources in an effort to create sustainable competitive advantages. Analysis and critique of conventional conceptions of business ethics. Evaluation of ethical issues involving businesses at firm, national, and international levels. **This course is shared with a section for COB Dean's Academy students. Honors students should register for section 001.** PREREQS: (BA 240/240H or FIN 340/340H or BA 360/360H) and BA 352/352H and BA 357/357H and (BA 223/223H or BA 390/390H). RESTRICTIONS: Business majors/minors only. Senior standing required. **Satisfies: HC Elective**

BI 311H *Genetics*

4 HC Credit(s)

Register for BOTH the lecture and recitation sections

CRN: 55228 **Section** 001 LEC **TTh 1200 - 1320**

CRN: 55598 **Section** 010 REC **W 1200 - 1250**

Instructor(s): Michael Blouin

Fundamentals of Mendelian, quantitative, population, molecular, and developmental genetics. Class will feature group activities, discussions, and student presentations. PREREQS: ((BI 211 or 211H) and (BI 212 or 212H) and (BI 213 or 213H)) or ((BI 221 or 221H) and (BI 222 or 222H) and (BI 223 or 223H)) or (BI 204, 205 and 206). **Satisfies: HC Elective**

CBEE 102H *Engineering Problem Solving and Computations*

CRN: 57969 **Section** 001 LEC **MW 1500 - 1550**

And choose one of the studio sections below

CRN: 57970 **Section** 010 STU **TTh 800 - 950**

CRN: 57971 **Section** 011 STU **TTh 1000 - 1150**

Instructor(s): Staff TBD

Elementary programming concepts implemented using MATLAB software; emphasis on problem analysis and development of algorithms in engineering; application experiences are established through a team-based design competition using the LEGO NXT microprocessor for data acquisition. Lecture is common with non-honors. **2 out of the 3 OSU credits earned count toward Honors College requirements.** PREREQ: MTH 112 OR MTH 251/251H RESTRICTIONS: For Engineering and Pre-Engineering students only. **Satisfies: HC Elective**

CH 463H *Experimental Chemistry II*

3 HC Credit(s)

Register for BOTH the lecture and lab section

Must contact Chemistry department to register.

CRN: 51613 **Section** 001 LEC **W 1300 - 1350**

CRN: 51614 **Section** 010 LAB **W 1400-1650 & F 1300-1650**

Instructor(s): Christine Pastorek & Amila Liyanage

Second-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic, organic and physical chemistry. **Must contact Chemistry department to register.** PREREQS: CH 362/362H and (CH 324 or CH 461/461H) and CH 442. CH 442 can be taken concurrently. **Course Fee: $44. Satisfies: HC Elective**

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CHE 333H *Transport Phenomena III*

Register for BOTH the lecture and the studio

CRN: 54373	**Section** 001	LEC	**MW 800 - 850**
CRN: 54374	**Section** 010	STU	**TTh 1400 - 1450**

Instructor(s): Greg Rorrer

A unified treatment using control volume and differential analysis of binary mass transfer, prediction of mass transport properties, and introduction to mass transfer operations. **1 out of the 3 OSU credits earned counts toward Honors College Requirements.** PREREQS: CHE 331/331H or CHE 332/332H. RESTRICTIONS: For Engineering students only. **Satisfies: HC Elective**

ENG 222H *Children's Literature*

4 HC Credit(s)

CRN: 60060	**Section** 001	LEC	**TTh 1200 - 1320**

Instructor(s): Megan Ward

Surveys a variety of genres, including fairy tales, folktales, and fables, nonsense poetry, picture books, historical and fantasy novels, examining how these texts represent childhood and connect with historical, cultural, and psychological contexts. None **Satisfies: HC Elective**

ENGR 212H *Dynamics*

3 HC Credit(s)

Register for BOTH the lecture and recitation

CRN: 59385	**Section** 001	LEC	**MWF 900 - 950**
CRN: 59386	**Section** 010	REC	**F 1000 - 1050**

Instructor(s): Staff TBD

Kinematics, Newton's laws of motion, and work-energy and impulse-momentum relationships applied to engineering systems. PREREQS: (ENGR 211/211H and PH 211/211H. **Satisfies: HC Elective**

HC 409 *Conversants*

1 HC Credit(s)

CRN: 51032	**Section** 007	PRAC

Instructor(s): Leanna Dillon

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

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HC 409 *Civic Engagement*

1 HC Credit(s)

CRN: 54013 **Section** 008 PRAC

Instructor(s): Leanna Dillon

Office of Community Engagement & Leadership (CEL) at OSU provides an opportunity for honors students to earn credit while participating in an ongoing community engagement project within the local community and exploring a community need or issue area of interest. 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://cel.oregonstate.edu/. Students must contact an HC advisor to complete a Learning Agreement and a CEL staff member to discuss placement opportunities. Placement must take place prior to the start of the term. **Graded: P/N. Satisfies: HC Elective**

KIN 370H *Psychology of Sport and Physical Activity*

3 HC Credit(s)

CRN: 60061 **Section** 001 LEC **TTh 1400 - 1520**

Instructor(s): William Massey

This course is a core course in the Kinesiology undergraduate curriculum. We will examine a variety of psychological theories that apply to motivation and behavior change with a focus on physical activity behavior. Students will have the opportunity to learn and practice interpersonal skills to use when working with future clients. The class will be taught through a combination of case studies, role plays, interactive assignments, and lecture. RESTRICTIONS: Minimum of sophomore standing required. For EXSS or KIN students only. **Satisfies: HC Elective**

ME 499H *Electronics Thermal Management*

4 HC Credit(s)

CRN: 60067 **Section** 001 LEC **W&F W 1400-1450 - F 1400-1650**

Instructor(s): Joshua Gess

Course emphasis is on experiments related to the characterization of conventional and state-of-the-art thermal management techniques for commercial and high performance electronics. Proper experimental methods, data analysis, and uncertainty resolution related to thermal and fluids measurements are discussed. **Satisfies: HC Elective**

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MTH 231H *Elements of Discrete Mathematics*

4 HC Credit(s)

CRN: 56663 **Section** 001 LEC **MW 1400 - 1550**

Instructor(s): Filix Maisch

Elementary logic and set theory, functions, direct proof techniques, contradiction and contraposition, mathematical induction and recursion, elementary combinatorics, basic graph theory, minimal spanning trees. PREREQS: MTH 111. Sufficent test scores may waive MTH 111 PREREQ. **Satisfies: HC Elective**

MTH 254H *Vector Calculus I*

4 HC Credit(s)

CRN: 51761 **Section** 001 LEC **MW 1000 - 1150**

Instructor(s): Scott Peterson

Vectors and geometry: coordinate systems, scalar product. Real-Valued Functions of Several Variables: partial and directional derivatives, gradient, extreme values. Multiple Integrals: change of coordinates, applications. Vector valued-functions: arc length and curvature of space curves, normal and tangential components of acceleration. PREREQS: MTH 252/252H. **Satisfies: HC Elective**

MTH 256H *Applied Differential Equations*

4 HC Credit(s)

CRN: 52601 **Section** 001 LEC **MW 1400 - 1550**

Instructor(s): Hoewoon Kim

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

MTH 264H *Introduction to Matrix Algebra*

2 HC Credit(s)

CRN: 57106 **Section** 001 LEC **MW 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: 57107 **Section** 001 LEC **MW 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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PSY 301H *Research Methods in Psychology* 4 HC Credit(s)

CRN: 59424 **Section** 001 LEC **TTh 800 - 950**

Instructor(s): Mei-Ching Lien

Study of scientific methodology in psychology, including experimental and observational techniques. Topics include problem identification and hypothesis formation, research design, application of statistics, collection and interpretation of data, computer usage, and research report writing. PREREQS: PSY 201/201H and PSY 202/202H and ST 351/351H. **Satisfies: HC Elective**

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

CRN: 59425 **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**

PSY 460H *Advanced Social Research Methods* 4 HC Credit(s)

CRN: 59426 **Section** 001 LEC **TTh 1400 - 1550**

Instructor(s): Kathleen Bogart

Advanced experimental research methods in the social sciences. Issues in psychological construct operationalization, experimental design, data collection, analysis, and report writing will be emphasized. PREREQS: PSY 301/301H and PSY 360/360H. **Satisfies: HC Elective**

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Spring 2021 Corvallis HC Thesis/Research/Projects

HC 408 *Thesis Stage 2: Explore & Build*

1 HC Credit(s)

CRN: 52972 **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 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: 59963 **Section** 400 online **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: 53604 **Section** 002 WS **Th 1600 - 1750**
Meets weeks 3 and 7 only

Instructor(s): Rebekah Lancelin & Michael Burgett

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

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HC 408 *Thesis Stage 4: Compose & Complete*

1 HC Credit(s)

CRN: 54375 **Section** 003 WS **F 1400 - 1550**
Meets weeks 2, 4, and 6 only

Instructor(s): Beau Baca

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