

**ANTH 383H Introduction to Medical Anthropology**

CRN: 39648 Section 001 LEC MWF 900 - 950 3 UHC Credit(s)

Instructor(s): Melissa Cheyney

Medical Anthropology 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, international health promotion, and education programs. **Satisfies: Bacc Core - Contemporary Global Issues**

**BA 407H Managing Technical Innovation**

CRN: 40659 Section 001 SEM T 1600 - 1750 2 UHC Credit(s)

Instructor(s): John Turner

This course provides tools, methods and experiential learning in the handling of technology-based innovation. This colloquium will include topics and exercises in opportunity recognition, feasibility assessments, protection of intellectual property, primary and secondary market research, identifying the optimum commercialization approach, and the development of business models for technology-based startups. Students will have the opportunity to practice these tools and methods on recently submitted invention disclosures and awarded patents from the OSU portfolio.

**Satisfies: Colloquia**

**BA 465H Systems Thinking and Practice**

CRN: 34266 Section 001 LEC TR 1000 - 1150 4 UHC Credit(s)

Instructor(s): Jonathan B. King

This course will get you to “think outside the box” by examining the hard and soft systems which both sustain and constrain us. This involves learning how to identify patterns of interactions, the increasing relevance of emotional intelligences, and the realities of “Tools ‘R Us.” The ultimate objective is to enhance our awareness of individual moral responsibilities by moving beyond linear causality and the subjective-objective and fact-value dualisms that continue to plague modern thought and action. Upper-division standing not required; students from all disciplines are welcome.

**Satisfies: Bacc Core - Contemporary Global Issues**

**BI 212H Principles of Biology**

CRN: 33097 Section 001 LEC MWF 1300 - 1350 4 UHC Credit(s)  
& Group Midterm M 2000-2120

AND

CRN: 33098 Section 010 LAB M 1400 - 1650 Indira Rajagopal

OR

CRN: 34272 Section 020 LAB R 800 – 1050 Nathan Kirk

Instructor(s): Nathan Kirk & Indira Rajagopal

Cell biology, organ systems, plant and animal biology. PREREQS: CH121 or CH201 or CH221 or CH224H or (CH231/231H AND (CH261/261H OR CH 271)). For Life Science Majors and Pre-Professional students. **Course Fee \$30.00**

**Satisfies: Bacc Core - Biological Sciences**

**BI 306H Environmental Ecology**

CRN: 38600 Section 001 LEC TR 1000 - 1120

3 UHC Credit(s)

Instructor(s): Kate Lajtha

This class will choose 4-5 specific topics in environmental science and analyze various sides in the environmental debate. Topics can include preserving and enhancing species diversity at the cost of development, CAFOs and livestock grazing vs. eating low on the food chain, using life cycle analysis to evaluate how “green” alternative energy is, acid rain, air pollution, and controls on industrial emissions, and the evidence for and against human involvement in global climate change. Class time will be a mix of lecture, debate, and reading. **Satisfies: Bacc Core – Contemporary Global Issues**

**BI 311H Genetics**

CRN: 40481 Section 001 LEC MWRF 0900-0950

4 UHC Credit(s)

Instructor(s): Jacob Tennesen

Fundamentals of Mendelian, quantitative, population, molecular, and developmental genetics. Class will feature group activities, discussions, and student presentations. **Satisfies: UHC Elective**

**BI 414H Writing for the Biological Sciences**

CRN: 39623 Section 001 SEM TR 1600 - 1650

2 UHC Credit(s)

Instructor(s): Eric Hill &amp; Barb Taylor

This course is a writing intensive course that uses writing to learn the subject content. Students will hone critical thinking and technical writing skills necessary to create compelling and well-documented arguments in support of an original honors thesis. It provides additional support for students in the thesis process, guiding them in learning more about writing in the discipline as they research, draft, and revise the thesis. In the following term, BI/Z415H (1 credit) will continue the process as students complete their honors thesis. Crosslisted with Z 414H. The successful completion of this course and BI/Z 415H in Spring satisfies WIC. **Satisfies: UHC Thesis/Research/ Projects**

**BOT 499H Poetry and Landscape**

CRN: 39624 Section 001 LEC T 1400 - 1550

1 UHC Credit(s)

**Weeks 1 – 5 Only**

Instructor(s): Donald B. Zobel

Some poets are keen observers of nature. Lovers of nature and scientists can learn from reading this poetry, which helps them to see nature in new ways. To appreciate such poetry fully, a reader needs to understand the objects and processes the poems describe. In this class, we will seek to educate ourselves about the authors' subjects sufficiently to appreciate their presentation of nature.

We will read poetry, both outside and during class, about the natural landscape, plants and animals, and ecological phenomena, especially in the northwestern US. We will identify and discuss the natural phenomena that are represented by the poetry, and the insights into nature that the poets provide. We will select some phenomena for detailed study and discussion. We will visit and discuss the history and properties of a Willamette Valley landscape, and identify in it the types of phenomena represented by what we have read, which we could use in our writing about the place we live. We will write about what we see and read. Course meets weeks 1-5 only. **Graded: P/N**

**Satisfies: Colloquia**

**CBEE 102H      Engineering Problem Solving and Computations**

CRN: 36391	Section 001	LEC	MW 1700 - 1750	2 UHC Credit(s)
AND				
CRN: 36392	Section 010	LAB	TR 800 - 950	
OR				
CRN: 37711	Section 020	LAB	TR 1000 - 1150	

Instructor(s): Travis Walker

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. Lab sections are reserved for honors students. 3 total OSU credits earned. PREREQ: MTH 112 or MTH 251/251H. **Satisfies: UHC Elective**

**CBEE 212H      Energy Balances**

CRN: 38174	Section 001	LEC	MF 1100 - 1150	1 UHC Credit(s)
AND				
CRN: 38175	Section 010	REC	T 800 - 850	
AND				
CRN: 38176	Section 020	STU	R 1200 - 1250	

Instructor(s): Adam Higgins

Energy balances, thermophysical and thermochemical calculations. Lecture and recitation are common with non-honors courses. Studio sections are reserved for honors students. PREREQS: CBEE 211/211H & MTH 256/256H. MTH 256/256H can be taken concurrently. **Satisfies: UHC Elective**

**CH 232H Honors General Chemistry****CHOOSE ONE LECTURE AND ONE OF THE CORRESPONDING RECITATION SECTIONS**

CRN: 36420 AND	Section 001	LEC	MWF 1200 - 1250	5 UHC Credit(s)
CRN: 36658 OR	Section 010	REC	T 1500 - 1550	
CRN: 36659	Section 011	REC	R 1400 - 1450	

**CHOOSE ONE OF THE LABORATORY SECTIONS**

CRN: 36421 OR	Section 010	LAB	T 1200 - 1450
CRN: 36422	Section 011	LAB	R 1500 – 1750

Instructor(s): Mike Lerner, Michael Burand, and Kyle Almlie

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. Additional \$30 lab fee. PREREQ: (CH231/231H and CH 261/261H) or CH 221 or CH 224H. COREQ: CH 262/262H or CH272. CH 232H and CH 262H must be taken concurrently. CH 231/231 H, CH232/232H, and CH233/233H must be taken in order. **Course Fee \$30.00 Satisfies: Bacc Core - Physical Sciences**

**CH 362H Experimental Chemistry I**

CRN: 33068 OR	Section 001	LEC	T 1300 - 1350	3 UHC Credit(s)
CRN: 33070	Section 002	LEC	W 1300 - 1350	
<b>AND</b>				
CRN: 33069 OR	Section 010	LAB	T 1400-1650 & R 1300-1650	
CRN: 33071	Section 020	LAB	W 1400-1650 & F 1300-1650	

Instructor(s): Kevin Gable & Kristin Ziebart

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. PREREQ: CH 361/361H and CH335. Major/Minor/Option Restrictions: Biochemistry & Biophysics and Chemistry. Must contact Chemistry department to register. **Additional no-show drop fee. Course Fee \$44.00 Fee is non-refundable. Satisfies: UHC Elective**

**CH 462H Experimental Chemistry II**

CRN: 33072 Section 001 LEC W 1300 - 1350 3 UHC Credit(s)  
AND  
CRN: 33073 Section 010 LAB W 1400-1650 & F 1300-1650

Instructor(s): Christine Pastorek & Michelle Dolgos

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. PREREQ: CH 362/362H and CH 441 and (CH 324 or CH 461/461H) Additional Recommended PREREQ: CH 422. **Course Fee \$44.00 No-show drop fee. Fee is non-refundable. Satisfies: UHC Elective**

**CHE 332H Transport Phenomena II**

CRN: 38834 Section 001 LEC MW 1700-1750 1 UHC Credit(s)  
Group Mid Term T 1900-2020  
AND  
CRN: 38833 Section 010 STU TR 1200 - 1250

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. Studio section is reserved for honors students. 3 total OSU credits. PREREQ: CHE 331/331H & CHE 311. **Satisfies: UHC Elective**

**CS 325H Analysis of Algorithms**

CRN: 39625 Section 001 LEC TR 1600 - 1720 4 UHC Credit(s)  
Instructor(s): Glencora Borradaile

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 325 OR MTH 231). **Satisfies: UHC Elective**

**DHE 415H Renewable Materials in the Modern Age**

CRN: 39626 Section 001 LEC T 1300 - 1350 3 UHC Credit(s)  
 AND  
 CRN: 39628 Section 010 LAB T 1400 - 1550  
 AND  
 CRN: 39630 Section 020 STU R 1400 - 1550

Instructor(s): Sara C Robinson

Yes, yes, it is an anatomy class. It is an anatomy class in the wood science department. Snooze. But it is so much more than what you might think. Students from all across campus take this class, from business to art to engineering. All bring their unique backgrounds to the table in this class where all the learning is hands-on and interactive. Learn about how water affects wood through steam and pressure bending. Learn about natural colorants from fungi by extracting the dyes yourself and painting with them.

Learn about turning bamboo into a textile and weave your own hat. Work within your group, where all members have different backgrounds, in the creation of some new, renewable object that showcases everyone's background and deals with an issue in renewable materials - whether it is the lack of quality wooden trick chairs, woven drink holders for glass bottles, or interactive, interpretive maps. The class is completely design centered with little lecture. With plenty of hands on projects and no tests, how could you not take this course? Crosslisted with WSE 415H.

**Course Fee \$80.00 Satisfies: Bacc Core - Science, Technology and Society**

**ENG 106H Introduction to Poetry**

CRN: 39649 Section 001 LEC TR 1200 - 1320 3 UHC Credit(s)

Instructor(s): Karen Holmberg

This course provides an overview of the main modes, techniques, and characteristics of poetry through an examination of world poetry. Using anthology readings and on-line resources, the course will cover world poetry by geographical region, and will feature 4 units focused on relevant topics or themes within world poetry: **Poetics and Craft; Poetry as Cultural Performance; Poetry as Social Action and Historical Witness; Translation and Influence.** During each unit, we will also study the poetic devices nearly universal to poetry, such as rhythm, sound play, image, symbol, metaphor, point of view, and tone. This course also exposes the student to the poetry of Rita Dove, winner of OSU's 2016 Stone Award for Lifetime Literary Achievement, as we will begin the course by reading a full-length collection of her work. Ms. Dove will visit campus in the spring term to give a free public reading, and will meet with undergraduate and graduate students during Q & A sessions. **Satisfies: Bacc Core - Literature and the Arts**

**ENG 275H The Bible as Literature: "The Gospels as Creative Writing"**

CRN: 35522 Section 001 LEC MWF 1000 - 1050 4 UHC Credit(s)

Instructor(s): Chris Anderson

In this class we'll try to set aside everything else and look closely at the language and style of the Book of Genesis as if we are reading any other story, the work of any other creative writer: the narrative arcs, the development of character, what the stories say and what they don't. Students will be asked to do essays, pop quizzes, and in-class freewriting. Our emphasis will be on ways of reading - on kinds of truth and methods of interpretation. **Satisfies: Bacc Core - Literature and the Arts or Western Culture**

**ENGR 201H      Electrical Fundamentals I**

CRN: 38178      Section 001      LEC      TR 1400 - 1450      3 UHC Credit(s)  
AND  
CRN: 38179      Section 010      LAB      R 800 - 950

Instructor(s): Matthew Johnston

Analysis of linear circuits. Circuit laws and theorems. DC responses of circuits. Operational amplifier characteristics and applications. PREREQ: MTH 251/251H & MTH 252/252H. **Satisfies: UHC Elective**

**H 100H              Introduction to Public Health**

CRN: 38180      Section 001      LEC      TR 1000 - 1150      4 UHC Credit(s)

Instructor(s): Viktor E 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. The Honors section focuses 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. **Course Fee \$9.00 Satisfies: UHC Elective**

**H 399H              Mental Health and Social Policy**

CRN: 37627      Section 001      SEM      TR 1600 - 1650      2 UHC Credit(s)

Instructor(s): Ray Tricker

This course is designed to examine the effects of important past and current issues related to mental health and mental disability in the United States today, in particular: the mental health professions and different approaches to treatment; risk factors and causes of mental illness; the residual impact of deinstitutionalization; housing and homelessness among the mentally ill; the right to refuse treatment; some major mental disorders – schizophrenia, depression and suicide, phobia/anxiety disorders; post Second World War mental health policy; the influence and relationship among philanthropic groups and government; innovations in mental health-supportive housing and assertive community treatment (ACT); the legal system; and the concept of dangerousness and mental illness. Students will be able to apply innovative analytical techniques to examine how many mental disorders are reinforced by psycho-social and socio-psychological interactions. **Graded: P/N Satisfies: Colloquia**

**HC 199 Honors Writing**

CRN: 33552	Section 001	LEC	MWF 1000 - 1050	3 UHC Credit(s)
OR				
CRN: 31412	Section 002	LEC	TR 800 - 920	
OR				
CRN: 35523	Section 004	LEC	TR 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. Satisfies: Bacc Core - Writing II**

**HC 299 Building Homes and Hope: International Service Learning**

CRN: 37309	Section 001	SEM	W 1500 - 1550	1 UHC Credit(s)
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Instructor(s): David C Kovac

This course series is designed to engage students in exploring the impact, perspectives, challenges, and complexities of international non-profit and service work, paying particular attention to the effects of sub-standard housing in the destination country/community of our Summer Service Trip & Field Study.

The winter course examines the impact of service work on individual, group, community, and societal structures and the spring course highlights group development and team building for international project success. The course series is open to any student interested in learning about international service work. **Satisfies: Colloquia**

**HC 299 History of Rock & Roll EMP Trip**

CRN: 40315	Section 002	SEM	F 1600 - 1650	1 UHC Credit(s)
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**Field Trip 1/29/16 – 1/31/16**

Instructor(s): Ryan Biesack

This unique colloquium combines some preparatory reading, listening and discussion, and culminates in a trip to the Experience Music Project Museum in Seattle. Here we will explore collections and installations of some of the most important artists, bands, sounds, fashion, media, instruments and technology that have helped define popular music throughout history, shaping and reflecting our society in the process. The course requires attendance at an organizational meeting (1/22/16), a three day field trip (1/29/16-1/31/16), and one discussion meeting (2/5/16.) The course has a \$161 course fee which covers lodging, two breakfasts, transportation, and entrance into the EMP museum. Bring money for snacks and meals, besides breakfast (which will be provided). Since all arrangements have been prepaid the course fee is non-refundable if the course is not dropped prior to the 1st day of the term (1/3/16). Class meets only twice, once before the trip on 1/22 and once after the trip on 2/5 from 1600-1650. Trip runs from Friday 1/29 at 12:00pm to Sunday 1/31 at 5:00pm. **Course Fee \$161 is non-refundable. Graded: P/N Satisfies: Colloquia**



**HC 407            Because It's There (and Looks Fun): Adventure, Survival, and Entertainment**

CRN: 39633    Section 001    SEM    T 1200 - 1350

2 UHC Credit(s)

Instructor(s): Robert J. Drummond

In March of 2013, a George Fox University student who grew up in Grants Pass set out alone to climb Mt. Hood, got lost in a whiteout, and fell 40 feet into a canyon. Badly injured and with only a meager supply of snack food, she survived for almost a week in a snow cave. What combination of mental and physical factors enabled her to endure when others would have perished in her place, and how much did luck have to do with it? Humans crave adventure, pushing our bodies and wills to the limits, testing ourselves against forces much larger than ourselves. Confronting such forces often brings us to the brink of destruction. When things inevitably go wrong, who lives and who dies? Why? In this course we will consider these questions as we examine accounts of survival, of extreme fights with nature. What is it about modern American life that compels some people to seek out danger and a very real and ready risk of self-annihilation? Why do otherwise rational people take such extraordinary risks when no imperative exists beyond mere entertainment? Surely our forebears—many of whom fought every day just to stay alive in a truly dangerous landscape—would think this behavior absurd and irresponsible, as would any number of people around the world who don't live in such a relatively safe environment. Who would so needlessly risk life in a time and place where staying alive is so easy? **Graded: P/N Satisfies: Colloquia**

**HC 407            Connecting the Arts and Sciences: A Short Exploration**

CRN: 39634    Section 002    SEM    TR 1100 - 1150

2 UHC Credit(s)

Instructor(s): Joseph Krause

This colloquium is designed for students wishing to better understand the affinity between the arts and the sciences. Open to all students, regardless of academic orientation, it should be of particular interest to those who might ask themselves any of following questions: How did anyone manage before the invention of the computer and the cell phone? How did people see and construct the world before the digital revolution, before television and radio, before photography and cinema? And what was the impact of those new technologies on different generations of writers, artists and scientists? If today we marvel at the technology that surrounds us, was there not a similar sense of wonder and progress in the 19th and 20th centuries? **Graded: P/N Satisfies: Colloquia**

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

CRN: 35165    Section 003    SEM    M 1600 - 1750

2 UHC Credit(s)

Instructor(s): Gary B. Ferngren

C. S. Lewis (1898-1963), Oxford don, novelist, literary critic, and theologian, was one of the most gifted and popular theological writers of his generation. From the point of view of orthodox Christianity, Lewis dealt in his theological and imaginative works with some of the most basic and perennial moral and religious questions. **Graded: P/N Satisfies: Colloquia**

**HC 407 Life - The Biosphere Through Space and Time**

CRN: 39635 Section 004 SEM T 1000 - 1150

2 UHC Credit(s)

Instructor(s): Stephen Atkinson

Welcome to an interdisciplinary journey to explore our understanding of life. What is it? Where does it come from? How do we observe and classify it? You will gain an enhanced appreciation for the astonishing complexity of Earth's biosphere, at its many spatial and temporal scales. Learning units will cover aspects of biology, ecology, parasitology, geology, astronomy and how these filter into pop culture through the news media, science fiction and other genres. Students with non-science backgrounds are most welcome and this colloquium should satisfy anyone who is curious about the living world in and around them. Assessment will be through creative assignments that include: short oral or written reports, photography, a Powerpoint presentation, basic sketching and illustration in class notebooks. Be prepared to brainstorm concepts and work both in small groups and independently. There will be no mid- or final- exams, but participants will submit their note/sketchbook for grading at the end of term. **Satisfies: Colloquia**

**HC 407 Energy IQ: Resources, Responsibility, and Renewability**

CRN: 35524 Section 005 SEM MW 1300 - 1350

2 UHC Credit(s)

Instructor(s): Skip Rochefort

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: Colloquia**

**HC 407 Science Journal Club**

CRN: 36394 Section 006 SEM TR 1600 - 1650

2 UHC Credit(s)

Instructor(s): Christopher K. Mathews

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

**HC 407 Sacred Places: Links to Ancient Astronomy**

CRN: 37312 Section 011 SEM T 1000 - 1050

1 UHC Credit(s)

Instructor(s): Randall Milstein

A survey of sites, megaliths, caves, mountains, and structures considered sacred to human cultures. What do the caves of Lascaux, France; the pyramids of Giza, Egypt; and the temples of Teotihuacan, Mexico have in common? Why are Stonehenge and Calanish in Great Britain significant to Celtic culture and modern astronomers? Rome, Mecca, Rapa Nui, Mt. Fuji: Why are these loci for our curiosity and philosophical attention? This colloquium is not a survey of competing spiritual philosophies, but a discussion of what makes such sacred sites significant historically, scientifically, and culturally. **Graded: P/N Satisfies: Colloquia**

**HC 407 The Science of Science Fiction**

CRN: 37313 Section 012 SEM R 1000 - 1050

1 UHC Credit(s)

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's just pure impossible? We will be reading, viewing, and discussing some of our favorite and least favorite science fiction, so we know what to look for while enjoying modern society's best loved metaphors and mythologies. **Graded: P/N Satisfies: Colloquia**

**HC 407 Activism and Activist Communities**

CRN: 37669 Section 015 SEM R 1000 - 1150

2 UHC Credit(s)

Instructor(s): Thomas Bahde

Can you imagine a time when women couldn't vote? Or when slavery was legal? Or when alcohol was not? Many of the rights we take for granted in the early 21st century were only won after decades of struggle by activists working diligently for causes they believed in, and making history in the process. This course looks at the role of activism and activist communities in shaping the modern United States from the 19th through the 21st centuries. In particular, we will look at antislavery, temperance, anti-war/anti-imperialism, civil rights, women's rights, and environmentalist communities across time. We will explore each of these movements and address several general questions that remain vitally important in our own times, including: What counts as activism? What makes an activist community? What (if anything) links activist communities over time? How do human networks shape activism and activists causes or movements? **Graded: P/N Satisfies: Colloquia**

**HC 407 Commodities to Cafes**

CRN: 38181 Section 016 SEM W 1400 - 1550

2 UHC Credit(s)

Instructor(s): James A. Sterns

On-farm visits, food tastings, tours of food processing and agricultural input supplier facilities, conversations with farmers, plant scientists and food marketers - all for the purpose of gaining a greater understanding of agriculture, food and you. In addition to site visits, students will have opportunities to discuss, debate, contemplate and grapple with the complexities and interdependencies of our local, regional, national and global agricultural and food systems. **Course Fee \$62.00. Graded: P/N Satisfies: Colloquia**

**HC 407 Writing about Music**

CRN: 38768 Section 018 SEM MW 1200 - 1250

2 UHC Credit(s)

Instructor(s): Eric Hill

This class will focus on how we attempt to use words to discuss something that works outside of language. Does music defy description? Is it possible to employ concrete terms for something that, for many, remains abstract and/or subjective? Is “writing about music like dancing about architecture”? Students will be asked to examine and respond to music and texts about music. Through in-class discussions, presentations, and assignments, students will discuss what they see as the values and limitations of these texts, as well as how they compare with the students own written attempts to react to music. Much of the material the students will be listening to and writing about will come from pieces that the students and professor bring in. The students will be writing about music through various forms of expression (description, review, analysis), explaining not only the characteristics of the music but also how context can affect the listener’s experience (live versus recorded, instrumental versus lyrics, visual components, etc). **Graded: P/N Satisfies: Colloquia**

**HC 407 Black Europe: Diaspora, Identity, and Belonging**

CRN: 40410 Section 019 SEM W 1000 - 1150  
**Weeks 1-5 Only**

1 UHC Credit(s)

Instructor(s): Nana Osei-Kofi

This colloquium will explore the Black experience in contemporary Europe. Drawing on multidisciplinary academic texts, autobiographic narratives, fiction, film, and social media we will use an intersectional lens to study the Black diaspora in Europe. What is Black Europe and who is a Black European? As a starting point for this colloquium, we will read a set of texts that attempt to respond to the aforementioned questions. From there, each time the colloquium is offered, we will focus on the Black experience in specific European nations. During Winter Term 2016, our focus will be on the Black experience in Germany, the Netherlands, and Sweden. **Weeks 1-5 Only. Graded: P/N Satisfies: Colloquia**

**HC 407 John Steinbeck’s Pacific**

CRN: 40507 Section 020 SEM T 1400-1450

1 UHC Credit(s)

Instructor(s): Holly Campbell

Throughout this course, we will examine John Steinbeck's *The Log from the Sea of Cortez*. 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, fame and celebrity, 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. **Satisfies: Colloquia**

**HC 408 Workshop THESIS: LEARN**

CRN: 35166 Section 001 WS R 1700 - 1850 1 UHC Credit(s)  
**Meets weeks 2, 4, & 8 Only**

Instructor(s): LeeAnn Baker & Indira Rajagopal

In this course you will learn to lay the groundwork for a successful thesis experience. We will focus on the value of the thesis, what it takes to successfully complete a thesis (e.g. identify a mentor, identify a topic, level of effort required, etc.), and we'll hear from students, and faculty with experience in the thesis process. You will complete all of the tasks related to stage 2 of the TheSIS process by: 1) Summarizing an interview/conversation with a faculty member who could serve as a mentor, 2) Summarizing an interview/conversation with an Honors student currently working on their thesis, and 3) Exploring a series of resources and opportunities available to successfully complete the thesis. The Undertake module of the TheSIS is then designed to move students through the steps required to complete a signed thesis proposal and pose some additional questions relevant to this stage of their experience. Course will be team taught. Meets weeks 2, 4, & 8 Only - 1/14, 1/28, 2/25/16. **Graded: P/N Satisfies: UHC Thesis/Research/ Projects**

**HC 408 Workshop THESIS: UNDERTAKE**

CRN: 40893 Section 004 WS R 1700 - 1850 1 UHC Credit(s)  
**Meets Weeks 2 & 6 Only**

Instructor(s): Michelle McAllaster

This course will guide students through the third step of the Thesis Success in Stages (TheSIS) process, UNDERTAKE. 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, the end goal of the UNDERTAKE stage and a required component of the thesis process in the University Honors College. PREREQ: For full details on the TheSIS stages please see the TheSIS website: [honors.oregonstate.edu/thesis](http://honors.oregonstate.edu/thesis). Meets Weeks 2 & 6 Only - 1/14/16 & 2/11/16. **Graded: P/N Satisfies: UHC Thesis/Research/ Projects**

**HC 408 Workshop THESIS: GRADUATE**

CRN: 38799 Section 003 WS F 1400 - 1550 1 UHC Credit(s)  
**Meets Weeks 2,4, & 6 Only**

Instructor(s): Tara Williams

This course will guide students through the final stage of the Thesis Success in Stages (TheSIS) process, GRADUATE. The goals of Thesis: GRADUATE 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. This course meets just three times throughout the term. PREREQ: Prior completion of TheSIS stages - START, LEARN, and UNDERTAKE as outlined at [honors.oregonstate.edu/thesis](http://honors.oregonstate.edu/thesis). Meets Weeks 2,4, & 6 Only - 1/15/16, 1/29/16, & 2/12/16. **Graded: P/N Satisfies: Thesis/Research/ Projects**

**HC 409          Conversants**

CRN: 31713      Section 005      PRAC      TBD

1 UHC Credit(s)

Instructor(s): Leanna Dillon

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

**HC 409          Civic Engagement**

CRN: 37616      Section 007      PRAC      TBD

1 UHC Credit(s)

Instructor(s): Leanna Dillon

The Center for Civic Engagement provides an opportunity for honors students to earn credit while participating in an ongoing community engagement project within the local community. Participating honors students commit to serving on average 2-3 hours per week within their project site, keep track of their service hours, and complete a 2 page reflection paper due at the end of the term. Additional information, including placement opportunities, is available at: <http://sli.oregonstate.edu/cce/civic-engagement-opportunities>. Students must meet with a UHC advisor to complete a Learning Agreement and a CCE staff member to discuss placement opportunities. Placement must take place no prior to the start of the term. **Graded: P/N Satisfies: UHC Elective**

**HDFS 447H      Families and Poverty**

CRN: 39636      Section 001      LEC      TR 1000 - 1120

4 UHC Credit(s)

Instructor(s): Leslie N Richards

Examines families in poverty focusing on causes and consequences of family poverty, including global economic factors, migration patterns, discrimination, and policies and programs for families. Community service required.

**Satisfies: Bacc Core - Contemporary Global Issues****HST 317H      Why War**

CRN: 39650      Section 001      LEC      TR 0800 - 0950

4 UHC Credit(s)

Instructor(s): Paul Kopperman

An inquiry into the origins of mass violence. Theory and case studies are used to suggest possible causes of international war, civil war, revolution, and genocide. **Satisfies: Bacc Core - Contemporary Global Issues**

**HST 385H Arab-Israeli Conflict**

CRN: 39651 Section 001 LEC WF 1000 - 1150

4 UHC Credit(s)

Instructor(s): Jon Katz

The Zionist leader Chaim Weizmann once said that the insoluble difficulty of the Palestine-Israel problem is that this is not a conflict between right and wrong. Rather it is a conflict between two rights. With an emphasis on historiography and the nature of historical controversy, this course examines the origins of the Arab-Israeli conflict, subsequent efforts to find a lasting solution, and contrasting interpretations regarding its cause. Upon completion of this course the student will be able to identify major Palestinian and Israeli political figures and movements, summarize the basic events that characterize the Arab-Israeli conflict, and locate the contours of the Arab-Israeli conflict within the larger global context. **Satisfies: Bacc Core - Contemporary Global Issues**

**HST 432H History of Sexuality**

CRN: 39637 Section 001 LEC TR 1200 - 1350

4 UHC Credit(s)

Instructor(s): Robert A. Nye

History of Sexuality from the Greeks to the Present. This course investigates the changes and continuities in the history of sexual attitudes, practices, and the influence on sexuality of science, medicine, and technology. **Satisfies: UHC Elective**

**HSTS 440H History of Psychotherapy**

CRN: 36402 Section 001 LEC TR 1000 - 1150

4 UHC Credit(s)

Instructor(s): Mina Carson

The history of psychotherapy in modern Western societies, from biomedical, cultural, political, and psychosocial perspectives. **Satisfies: Bacc Core - Science, Technology and Society**

**MB 299H Microbes in the Media**

CRN: 39638 Section 001 LEC R 1500 - 1550

1 UHC Credit(s)

Instructor(s): Linda D Bruslind

This course offers an in-depth look at how microbes (bacteria, viruses, fungi, etc) are covered by various types of media and the impact on public perception. What type of information is the public getting and in what context? How has it changed over time and with different types of media? **Satisfies: Colloquia**

**ME 299H Event of the Century: The Total Solar Eclipse**

CRN: 40078 Section 001 SEM R 1000 - 1150

2 UHC Credit(s)

Instructor(s): Nancy Squires

This course will be an investigation of how and why a total solar eclipse occurs. The fundamentals of celestial mechanics will be explored and a study of the structure of the sun will be included. Current research in the field of helioastronomy will be presented. **Satisfies: Colloquia**

**ME 312H      Thermodynamics**

CRN: 39639    Section 001    LEC    TR 1200 - 1350

4 UHC Credit(s)

Instructor(s): Deborah Pence

This thermodynamics course is focused on the conversion of thermal energy to mechanical energy and the efficiency of this conversion. Both vapor and gas power cycles and the various aspects associated with these cycles are studied. Included are combustion, compressible flow and psychometrics. Processes are studied in light of exergy destruction. A power cycle design project is assigned in this course. The UHC section of this course is intended to be more interactive than the regular section, not more difficult. PREREQ: MTH 256/256H & (ME 311/311H OR NE 311/311H). Major/Minor/Option Restrictions: Engineering Physics, Manufacturing Engineering, Mechanical Engineering, Nuclear Engineering. Students must be enrolled in the Professional Engineering Program (Pro School). **Satisfies: UHC Elective**

**ME 317H      Intermediate Dynamics**

CRN: 37315    Section 001    LEC    MW 1600 - 1750

4 UHC Credit(s)

Instructor(s): Ross Hatton

Continuation of the study of kinematics and kinetics of particles and rigid bodies, with applications to mechanical systems of current interest to engineers. PREREQS: ENGR 212/212H and MTH 256/256H. Major/Minor/Option Restrictions: Elect & Computer Engineering, Mechanical Engineering, Nuclear Engineering. Students must be enrolled in the Professional Engineering Program (Pro School). **Satisfies: UHC Elective**

**ME 373H      Mechanical Engineering Methods**

CRN: 38186    Section 001    LEC    TR 1000 - 1120

3 UHC Credit(s)

Instructor(s): Sourabh Apte

Analytical and numerical methods for solving representative mechanical engineering problems. PREREQ: ENGR 112/112H & MTH 256/256H. Students must be enrolled in the Professional Engineering Program (Pro School). **Satisfies: UHC Elective**

**ME 383H      Mechanical Component Design**

CRN: 39640    Section 001    LEC    TR 830 - 950

1 UHC Credit(s)

AND

CRN: 39641    Section 010    LAB    W 1200 - 1350

Instructor(s): Rajiv Malhotra

Failure analysis and design of machine components. Lecture is common with non-honors. PREREQ: ME 316 & ME 382/382H. Major/Minor/Option Restrictions: Engineering Physics, Mechanical Engineering, Nuclear Engineering. Students must be enrolled in the Professional Engineering Program (Pro School). **Satisfies: UHC Elective**



**MTH 252H      Integral Calculus**

CRN: 33074	Section 001	LEC	MWF 1000 - 1120	4 UHC Credit(s) Stephen Scarborough
OR				
CRN: 39274	Section 002	LEC	MF 1300-1350 & W 1200-1350	Filix Maisch

Instructor(s): Stephen Scarborough & Filix Maisch

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 \$10.00 Satisfies: UHC Elective**

**MTH 254H      Vector Calculus I**

CRN: 35525	Section 001	LEC	MW 1400-1450 & F 1400-1550	4 UHC Credit(s) Nathan Gibson
OR				
CRN: 38187	Section 002	LEC	MWF 830 - 950	Yevgeniy Kovchegov

Instructor(s): Nathan Gibson & Yevgeniy Kovchegov

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 \$10.00 Satisfies: UHC Elective**

**MTH 255H      Vector Calculus II**

CRN: 35167	Section 001	LEC	MF 0900-0950 & W 0800-0950	4 UHC Credit(s)
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Instructor(s): David Finch

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 \$10.00 Satisfies: UHC Elective**

**MTH 256H      Applied Differential Equations**

CRN: 33075	Section 001	LEC	MWF 1300 - 1350	4 UHC Credit(s)
AND				
CRN: 38818	Section 010	REC	W 1200 – 1250	

Instructor(s): Ralph Showalter

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: UHC Elective**

**MTH 306H      Matrix and Power Series Methods**

CRN: 33105      Section 001      LEC      MWF 1000 - 1120      4 UHC Credit(s)

Instructor(s): Radu Dascaliuc

MTH 306H will move at a fast pace from day one. We plan to cover most of the textbook. Topics will include introduction to matrix algebra, determinants, systematic solution to linear systems, and eigenvalue problems. Convergence and divergence of series with emphasis on power series, Taylor series expansions, convergence tests for power series, and error estimates for truncated series used in practical approximations. PREREQS: MTH 252/252H Additional Recommended PREREQ: MTH 254/254H. **Satisfies: UHC Elective**

**PH 222H      Recitation for Physics 212**

CRN: 33946      Section 001      REC      T 1100 - 1150      1 UHC Credit(s)

Instructor(s): Staff

Honors recitation reserved for UHC students enrolled in lecture/lab section of PH 212. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. COREQ: PH 212. **Satisfies: Bacc Core - Physical Sciences**

**PH 223H      Recitation for Physics 213**

CRN: 33945      Section 001      REC      R 1100 - 1150      1 UHC Credit(s)

Instructor(s): Staff

Honors recitation reserved for UHC students enrolled in lecture/lab section of PH 213. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. COREQ: PH 213. **Satisfies: Bacc Core - Physical Sciences**

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

CRN: 39643      Section 001      SEM      F 1400 - 1450      1 UHC Credit(s)

Instructor(s): Albert W. Stetz

Quantum mechanics is replete with philosophical puzzles that have intrigued physicists for almost a century. Can you change the past by doing an experiment in the present? Can you kill Schrodinger's cat by looking at it? Does quantum teleportation make sense? Many clever experiments have been done to elucidate these questions, but it seems we must fundamentally revise our notion of reality. In this course we will learn about these experiments and the arguments surrounding them. The course is non-technical. The material can be understood with little background in math or physics. The grade will be based on several brief essays assigned during the quarter. **Satisfies: Colloquia**

**TA 360H      Multicultural American Theatre**

CRN: 40115      Section 001      LEC      TR 1230 - 1350      3 UHC Credit(s)

Instructor(s): Charlotte J. Headrick

Examines the rich panorama of multicultural-American theatre (e.g., African-American, gay and lesbian, Hispanic, Asian American). **Satisfies: Bacc Core Difference, Power, and Discrimination**

**WGSS 280H      Women Worldwide**

CRN: 37314      Section 001      LEC      T 1600 - 1850      3 UHC Credit(s)

Instructor(s): Liddy Detar

This course focuses on women's lives within a contemporary context of globalization, where the local and the global are integrally linked and perspectives are informed by gender, race, class, sexuality and nationality. In this class we discuss how constructions of gender interact with racial, ethnic, and cultural borders, as well as with geographical and national borders. We examine how these concepts are shaped by, and in turn shape, the globalized political, economic and social structures in which we live. Our focus is on practices of concern to women in global context around such issues as work and family, reproductive and sexual freedom, religion, and politics. We will also examine the relationship of gender to various kinds of international development strategies and learn about local/global movements for gender equality. It is hoped that by studying women in global perspective you will develop an awareness of women's status worldwide and an appreciation for the struggles and forms of resistance of which we/they are a part. The course also provides an opportunity for creative thought and knowledge construction through the application of literature and art. **Satisfies: Bacc Core - Cultural Diversity**

**WGSS 360H      Men and Masculinities in a Global Context**

CRN: 39644      Section 001      LEC      TR 1200 - 1320      3 UHC Credit(s)

Instructor(s): Bradley Boovy

Students will learn methods of intersectional analysis and critique representations of men and masculinity from a variety of cultural contexts. Students will demonstrate their learning through discussion, short presentations, writing, and creative work. **Satisfies: Bacc Core - Contemporary Global Issues**

**WSE 415H      Renewable Materials in the Modern Age**

CRN: 39627      Section 001      LEC      T 1300 - 1350      3 UHC Credit(s)

AND

CRN: 39629      Section 010      LAB      T 1400 - 1550

AND

CRN: 39631      Section 020      STU      R 1400 - 1550

Instructor(s): Sara C Robinson

Crosslisted with DHE 415H. See DHE 415 for course description. **Course Fee \$80.00 Satisfies: Bacc Core - Science, Technology and Society**

**Z 414H            Writing for the Biological Sciences**

CRN: 39645    Section 001    SEM    TR 1600 - 1650

2 UHC Credit(s)

Instructor(s): Eric Hill & Barb Taylor

Crosslisted with BI 414H. See BI 414H for course description. The successful completion of this course and BI/Z 415H in Spring satisfies WIC. **Satisfies: UHC Thesis/Research/ Projects**