

ANTH 315H Peoples of the World - Africa

CRN: 39410 Section 001 LEC MWF 1200 - 1250

3 UHC Credits

Instructor(s): Kenny Maes

This course explores economic and cultural aspects of globalization and sub-Saharan Africa. In order to better understand globalization and its implications for inequality and day-to-day life, we will examine case studies dealing with topics like the response to Ebola in West Africa, the production and consumption of Ethiopian coffee, conflicts over oil extraction in Nigeria, and African migrants living in the USA. We will explore similarities and differences between colonialism and contemporary globalization, especially in relation to the exploitation of labor and the extraction of resources from Africa. We will also examine the movement of movies, second hand clothes, and other international commodities into Africa; and the movements of people from Africa to the USA. PREREQS: ANTH 110 or ANTH 210 or completion of Social Processes and Institutions requirement. Satisfies: **Bacc Core - Cultural Diversity**

BA 390H Marketing

CRN: 39411 Section 001 LEC MW 1400 - 1550

4 UHC Credits

Instructor(s): Michelle Barnhart

Content includes consumer and industrial markets, and activities and enterprises involved in distributing products to those markets. Objective is to develop an understanding of marketing principles, marketing problems, and distribution processes. PREREQS: ECON 201/201H or AREC 250 with a minimum grade of C- or better. Junior standing. Satisfies: **UHC Elective**

BA 465H Systems Thinking and Practice

CRN: 34620 Section 001 LEC TR 1000 - 1150

4 UHC Credits

Instructor(s): Jonathan King

This course will get you to "think outside the box" by examining the hard and soft systems which both sustain and constrain us. This involves learning how to identify patterns of interactions, 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**

BB 407H Scientist in the Public Eye

CRN: 39412 Section 001 SEM MW 1400 - 1450

2 UHC Credits

Instructor(s): Kevin Ahern

This is a course for students who wish to learn about and improve skills for communicating relative to professional school interviews. These include medical school, pharmacy school, dentistry school, optometry school, nursing school, and law school. Students will also learn to prepare a personal statement relevant to their chosen discipline. Minimum sophomore standing recommended. Satisfies: **UHC Colloquia**

BI 212H Principles of Biology

CRN: 33354 Section 001 LEC MWF 1300 - 1350 5 UHC Credits
 GRP MIDTERM - M 2000-2120 Nathan Kirk

SIGN UP FOR ONE OF THE LAB/401H PAIRS BELOW

CRN: 33355 Section 010 LAB M 1400 - 1650 Indira Rajagopal
 AND
 CRN: 32888 **BI 401H** – Sec. 002 RES M 1400 - 1650
(optional – see description)

OR

CRN: 34627 Section 020 LAB W 1400 - 1650 Nathan Kirk
 AND
 CRN: 36347 **BI 401H** – Sec. 001 RES W 1400 - 1650
(optional – see description)

Instructor(s): Nathan Kirk & Indira Rajagopal

Cell biology, organ systems, plant and animal biology. The optional BI 401H credit provides an additional credit for research done during the lab section. Coursework for students enrolled and not enrolled in BI 401H will be identical. Lecture, Lab, and additional research credit total 5 UHC credits. For life science majors and pre-professional students. PREREQS: CH121 or CH201 or CH221 or CH224H or (CH231/231H AND (CH261/261H or CH 271)). Prereqs can be taken concurrently. **Course Fee \$30.00** Satisfies: **Bacc Core - Biological Sciences**

BI 306H Environmental Ecology

CRN: 39944 Section 001 LEC TR 1000 - 1120 3 UHC Credits

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; WIC**

BI 414H Writing for the Biological Sciences

CRN: 40736 Section 001 SEM TR 1600 - 1650 2 UHC Credits

Instructor: Eric Hill & Barb Taylor

This course is writing intensive course that use 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. Crosslisted with Z 414H. Satisfies: **UHC Thesis/Research/ Projects**

BOT 407H Mount St. Helens: 1980 Eruption, Societal Reaction, and Ecological Response

CRN: 38221 Section 001 SEM T 1400 - 1550 1 UHC Credit
Meets Weeks 1-5 Only.

Instructor(s): Donald Zobel

The class commemorates the 35th anniversary of the May 18, 1980 eruption of Mount St. Helens, Washington, which was the most destructive natural event of the century in the Pacific Northwest. It has incited curiosity and awe in those who witnessed the event and encountered its aftermath. We will study the geologic events of 1980; their effects on people and ecosystems; and the biological, literary, and societal responses to the eruption. We will seek “messages from the mountain”—what lessons have been drawn by scientists and the public. And we will discuss what we think those lessons should be. Graded: **P/N**. Satisfies: **UHC Colloquia**

CBEE 102H Engineering Problem Solving and Computations

CRN: 37013 Section 001 LEC M 1700 - 1750

CHOOSE ONE OF THE LAB SECTIONS

CRN: 37014 Section 010 LAB TR 0800 – 0950 2 UHC Credits
OR

CRN: 38847 Section 020 LAB TR 1000 – 1150 2 UHC Credits

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. Lab section honors; lecture common with non-honors course. 3 total OSU credits earned. PREREQ: MTH 112/112H or MTH 251/251H. Satisfies: **UHC Elective**

CBEE 212H Energy Balances

CRN: 39413 Section 001 LEC MF 1100 - 1150

AND

CRN: 39414 Section 010 REC T 0800-0850

AND

CRN: 39415 Section 020 STUDIO R 1200 – 1250 1 UHC Credit

Instructor(s): Adam Higgins

Energy balances, thermophysical and thermochemical calculations. PREREQS: CBEE 211/211H or BIOE 211 or CHE 211 or ENVE 211 and one year general chemistry and second-year standing in engineering. Studio section honors; lecture and recitation are common with non-honors courses. 3 total OSU credits. Satisfies: **UHC Elective**

CH 462H Experimental Chemistry II

CRN: 33325 Section 001 LEC W 1300 - 1350 3 UHC Credits
AND
CRN: 33326 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) and CH 422 is recommended). **Additional no-show drop fee. Course Fee \$44.00. Fee is non-refundable.** Satisfies: **UHC Elective**

CHE 332H Transport Phenomena II

CRN: 40358 Section 001 LEC MW 1700-1750 & GRP MIDTERM T 1900-2020
AND
CRN: 40357 Section 010 STUDIO TR 1200 – 1250 1 UHC Credit

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. Studio section honors; lecture common with non-honors courses. 3 total OSU credits. PREREQ: CH331/331H Satisfies: **UHC Elective**

DHE 415H Renewable Materials in the Modern Age

CRN: 39418 Section 001 LEC T 1300 - 1350 3 UHC Credits
AND
CRN: 39419 Section 010 LAB T 1400 – 1550
AND
CRN: 39420 Section 020 STUDIO R 1400 – 1550

Instructor(s): Sara Robinson

This course is designed to bridge/the information gap in wood design fields between artists, designers, architects, engineers, and scientists by delivering information on the anatomy of renewable materials in an accessible, cross-disciplinary format. Those with a background in wood science and those merely interested in renewable materials will find this course useful. Throughout the course, students will develop a fundamental understanding of the properties, characteristics, and role of wood and other renewable materials in today's society, along with their importance in sustainable consumerism. This course will culminate with a design project in which the knowledge gained, combined with the unique background of each student, will be applied to a final project. Class instruction will combine lecture, laboratory and studio time, as well as situational learning experiences. This course is appropriate for all majors, backgrounds, and levels. **Course Fee \$80.00.** Crosslisted with WSE 415H. Satisfies: **UHC Elective**

ENG 202H Shakespeare

CRN: 39421 Section 001 LEC MWF 1500 - 1550

4 UHC Credits

Instructor(s): Rebecca Olson

An introduction to the second half of Shakespeare's career. This course is designed to help students become more confident readers (and audience members) of Shakespearean drama by focusing on language, historical context, and staging. Plays include *Macbeth*, *Measure for Measure*, *The Winter's Tale*, and *The Tempest*. Satisfies: **Bacc Core - Literature and the Arts or Western Culture**

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

CRN: 35998 Section 001 LEC MWF 1400 - 1450

4 UHC Credits

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 four canonical gospels, Matthew, Mark, Luke, and John, 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 complete 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: 39422 Section 001 LEC TR 1400 - 1450

3 UHC Credits

AND

CRN: 39423 Section 010 LAB T 800 - 950

Instructor(s): Johnston, M

Analysis of linear circuits. Circuit laws and theorems. DC responses of circuits. Operational amplifier characteristics and applications. PREREQS: (MTH 251/251H) and (MTH 252/252H) and sophomore standing in engineering. Satisfies: **UHC Elective**

ENGR 363H Energy Matters

CRN: 40369 Section 001 LEC TR 0800-0920

3 UHC Credits

Instructor(s): Jack Higginbotham

This course establishes a basic energy vocabulary, applies the fundamental concepts of identifying energy use and determining efficiency, and studies the implications of energy decisions in the context of traditional, alternative, and sustainable energy resources. PREREQS: MTH 112 or higher. Satisfies: **Bacc Core - Science, Technology and Society**

ENGR 499H Venture EngineeringCRN: 40371 Section 001 **HYBRID COURSE** M 800 - 920 3 UHC Credits

Instructor(s): Sundar V. Atre

Venture Engineering will specifically cater to the needs of an engineer looking to take a physical product idea to commercialization. It will consist of five 2-week modules taught in a hybrid course format (50% online/50% in-class):

Module 1: What do we buy/build?: Identifying an opportunity

Module 2: Will it work?: Establishing technical feasibility

Module 3: Will they buy?: Establishing economic feasibility

Module 4: Will they invest?: Financing the venture

Module 5: Will it scale?: Capturing the opportunity

Venture Engineering will draw from engineering (materials, processes, design, prototyping) and business (marketing, finance, project management, intellectual property) concepts to enable an engineer to more effectively navigate the innovation space. The hybrid teaching/learning format is devised to support an experiential learning platform for students. It is expected that the course will generate new ideas and approaches that will eventually crystallize into a new discipline in engineering. Satisfies: **UHC Elective**

H 100H Introduction to Public Health

CRN: 39424 Section 001 LEC TR 1000 - 1150 4 UHC Credits

Instructor(s): Viktor Bovbjerg

This survey course covers the basic elements of public health and application of public health action, along with related complex ethical and political issues. Topics range from infectious disease outbreaks and control, to the role of diet and physical activity in chronic disease, to the intersection of emergency services and preparedness with public health. 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. Satisfies: **UHC Elective**

H 399H Mental Health and Social Policy

CRN: 38704 Section 001 SEM TR 1600 - 1650 2 UHC Credits

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 are areas of study for this class. 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: **UHC Colloquia**

HC 199 Honors Writing

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|------------|-------------|-----|-----------------|---------------|
| CRN: 33838 | Section 001 | LEC | MWF 1000 - 1050 | 3 UHC Credits |
| OR | | | | |
| CRN: 31537 | Section 002 | LEC | TR 800 - 920 | 3 UHC Credits |
| OR | | | | |
| CRN: 35999 | Section 004 | LEC | TR 1000 - 1120 | 3 UHC Credits |

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

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| CRN: 38226 | Section 001 | SEM | W 1500 - 1550 | 1 UHC Credit |
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Instructor(s): David Kovac

This course is part of a series of 3 colloquia exploring issues and practices of international service-learning. Each course in the series stands independently and may be taken as a prerequisite for participation in the UHC Summer Service Experience — in Ethiopia in 2015 — but the courses are in no way limited to only those participating in the trip. Extending our exploration of the notion of culture that began in the fall, the winter course focuses on local and regional impacts of international service and relief work; and the spring course revolves around group development and international trip logistics. Satisfies: **UHC Colloquia**

HC 299 Ethics, Ebola, and Epidemics

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| CRN: 40654 | Section 002 | SEM | MW 0800-0850 | 2 UHC Credits |
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Instructor(s): Courtney Campbell

The outbreak of Ebola in West Africa and its initial emergence in Western countries has provoked a host of ethical and policy controversies. We will consider ethical issues of patient care, professional responsibility, public education and public hysteria, medical altruism, and quarantines, that have emerged in the Ebola crisis, and learn what prior epidemics, such as AIDS, as well as philosophical writings, such as *The Plague* by Albert Camus, have to teach us about our current conundrums with Ebola. Satisfies: **UHC Colloquia**

HC 407 Sing a Song of Science

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| CRN: 35590 | Section 001 | SEM | T 1400 - 1450 | 1 UHC Credit |
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Instructor(s): Kevin Ahern

This course shows students the musical side of scientific information and teaches them how to marry creative lyrics to melodies. Building on Dr. Ahern's popular *Metabolic Melodies*, the one credit course combines a fun look at scientific discovery with practical skills for writing lyrics, limericks, and poetry based on scientific lingo. Graded: **P/N**. Satisfies: **UHC Colloquia**

HC 407 The Making of Medical Miracles

CRN: 38227 Section 002 SEM W 1000 - 1050

1 UHC Credit

Instructor(s): Renee Greer

The process of scientific discovery can result in field-altering and life-changing discoveries, but it often takes the fortuitous confluence of work by many researchers across multiple disciplines with the correct social, cultural, political and economic environment. In this course, we will use the example of the discovery of insulin and the root causes of diabetes to explore how multiple contributing factors come together to change the face of medicine. We will cover research by basic scientists, clinicians and pharmaceutical companies and will also delve into the social, cultural, political and economic influences that helped drive the making of this medical miracle. Using the discovery of insulin and its transformation into a life-changing therapeutic as a model, you will complete an independent research project exploring the history of medical research for a disease of your choosing. You will compile your research into a final presentation covering 3 influences that shaped the discovery and treatment of the disease. This course will provide a good understanding of the many aspects that contribute to modern medicine. Graded: **P/N**. Satisfies: **UHC Colloquia**

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

CRN: 35604 Section 003 SEM M 1500 - 1550

1 UHC Credit

Instructor(s): Gary 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: **UHC Colloquia**

HC 407 Energy IQ: Resources, Responsibility, and Renewability

CRN: 36000 Section 005 SEM MW 1300 - 1350

2 UHC Credits

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: **UHC Colloquia**

HC 407 Science Journal Club

CRN: 37019 Section 006 SEM TR 1600 - 1650

2 UHC Credits

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, whole-genome sequencing *in utero*, teaching evolution in public schools, issues connected with mass vaccination, maintenance of forensic DNA data banks, ethical aspects of publication in science, research funding issues, or science of climate change. Satisfies: **UHC Colloquia**

HC 407 From Zombies to Preppers: America's Obsession with Apocalypse

CRN: 38228 Section 007 SEM R 1200 - 1350

2 UHC Credits

Instructor(s): Robert Drummond

To judge from the glut of movies and books set in a post-apocalyptic world, America is addicted to the fantasy of doomsday. Zombies, viral pandemics, nuclear holocausts, global warming-caused disasters, alien invasions--the list goes on. In this course, we'll 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 Brad Pitt fight teeming swarms of zombies on the big screen? The course will involve a variety of readings and films as we seek to get to the bottom of this issue. Graded: **P/N**. Satisfies: **UHC Colloquia**

HC 407 Exploring History Through Graphic Novels

CRN: 37020 Section 009 SEM M 1800 - 1950

2 UHC Credits

Instructor(s): Andrea Marks

This 2-credit colloquium uses the graphic novel as a means to explore various cultures and histories. Students will read 8-10 graphic novels over the course of a term and engage in lively discussions once a week. Graded: **P/N**. Satisfies: **UHC Colloquia**

HC 407 Technology and the Good Life

CRN: 37026 Section 010 SEM W 1400 - 1550

2 UHC Credits

Instructor(s): Ken Funk

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

HC 407 Sacred Places

CRN: 38229 Section 011 SEM T 1000 - 1050

1 UHC Credit

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: **UHC Colloquia**

HC 407 The Science of Science Fiction

CRN: 38230 Section 012 SEM R 1000 - 1050

1 UHC Credit

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: **UHC Colloquia**

HC 407 The Book in the Western World: Past, Present and Future

CRN: 38671 Section 013 SEM MW 1400 - 1450

2 UHC Credits

Instructor(s): Stefanie Buck & Anne Bahde

We will explore the history of the book and its social and cultural impact, the publishing industry, and the future of the book and the forms it may take. We will explore different books in the library's Special Collections and learn about the readers who used them. We will also look at issues of copyright, intellectual property and the Open Access movement. We will have several projects, which may include: creating books in print and/or digital formats; reader, author, and bookseller interviews; and field trips to bookbinderies and bookstores. Minimum sophomore standing recommended. Graded: **P/N**. Satisfies: **UHC Colloquia**

HC 407 Object Lessons

CRN: 38682 Section 014 SEM R 1600 - 1750

2 UHC Credits

Instructor(s): Thomas Bahde

We're often told not to place too much importance on things – they're just things, right? But things – objects – can have meanings, histories, genealogies, and lives of their own. This class asks students to think about how objects shape us, even as we shape them. Our world is made of things, and all of them carry with them layers of significance. From the phones we swap out every couple of years, to the family heirloom quilt from great-grandma, every thing that surrounds us is a lesson about the significance of material goods in shaping our thoughts, actions, values, and aesthetics, not to mention our history, society, and culture. In addition to weekly readings and discussions, the class will center around the creation of a final project that will involve each student finding an object, researching it, and writing a "deep history" about it. Graded: **P/N**. Satisfies: **UHC Colloquia**

HC 407 The World Social Forum: Global Dimensions of Social Justice in Theory and Practice

CRN: 40452 Section 019 SEM W 1400-1450

1 UHC Credit

Instructor(s): Karim Hamdy & Laura Rice

In March 2013, fifty thousand people from 127 countries convened in Tunisia, North Africa, crucible of the Arab Spring, to debate social justice initiatives and plan a collective response to the deepening crises of global capitalism—economic, social, political and ecological—which had polarized an already deeply unequal north/south relationship. The World Social Forum has met every year since 2001, in venues around the world, as a challenge to ideas and operations of the World Economic Forum (Davos) where the powerful meet to chart global neoliberal projects and policies. In support of Tunisia—the unique example of a successful democratization process following the Arab Spring—the World Social Forum (WSF) decided to take the unprecedented step of returning to Tunisia to hold the annual World Social Forum in 2015. In this Colloquium, students will become familiar with the mission, history, and goals of the World Social Forum, learn about the social justice issues covered in the Arab Human Development Reports (AHDR) from the UN, read about and discuss the 3 deficits signaled by the 2002 AHDR—knowledge deficit (illiteracy), governance deficit (absence of freedoms), and lack of women’s empowerment (gender exclusion)—as well as those social justice issues relating to environment and sustainability. This is an introductory and interdisciplinary course designed for students at all levels. Previous knowledge of social justice issues and Arab Spring history are not requirements. Graded: **P/N** Satisfies: **UHC Colloquia**

HC 407 Film Censorship

CRN: 40687 Section 020 SEM T 1700-1850

1 UHC Credit

Weeks 1 – 5 Only

Instructor(s): Jon Lewis

This class will survey the history of motion picture censorship in the United States from the very first efforts to suppress the medium in the 1890s through the current regime of film content regulation (the MPAA Voluntary Movie Rating System). Of particular interest will be the complex relationship between cine-censorship and other forms of industry and workforce regulation and the role of censorship in the industry’s deft and ongoing public relations mission. Readings will be culled from a variety of historical studies of film censorship and excerpts from banned and/or controversial films will be screened and discussed. Students will give brief presentations and write a 5-page paper. Graded: **P/N** Satisfies: **UHC Colloquia**

HC 408 Workshop THESIS: LEARN

CRN: 35605 Section 001 WS R 1700 - 1850

1 UHC Credit

Meets weeks 2, 4, & 8 Only

Instructor(s): Kevin Ahern, Indira Rajagopal, & Eric Hill

This course will guide students through the second stage of the Thesis Success in Stages (TheSIS) process, LEARN. In this course students will 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), and we’ll hear from students, and faculty with experience in the thesis process. Thesis: LEARN will assist you in completing four tasks: 1) analyzing a completed thesis, 2) meeting with faculty to learn about research opportunities, 3) interviewing faculty as potential mentors, and 4) completing online research ethics training. This course meets three times throughout the term and is team taught. PREREQ: Prior completion of TheSIS stage: START. Meets weeks 2, 4, & 8 Only. Graded: **P/N**. Satisfies: **UHC Thesis/Research/Projects**

HC 409 PRAC/PATHWAYS MENTOR PROGRAM

CRN: 40656 Section 008 PRAC

1 UHC Credit

Instructor(s): Leanna Dillon

This practicum gives UHC students the opportunity to gain practical experience serving as mentors to international students and helping them develop strategies for academic success. This cross-cultural experience will be valuable for students applying for graduate teaching assistantships or considering research/employment in international contexts. UHC students will attend an orientation on mentoring best practices (where they will complete a Learning Agreement) and then be paired with an international student with whom they'll meet each week to discuss study skills. The final grade (P/N) will be based primarily on a "Mentoring Autobiography" and a journal tracking the weekly meetings. This practicum is offered in partnership with INTO OSU and interested students should contact Candace Pierson-Charlton (candace.pierson-charlton@oregonstate.edu) to apply or request additional information. Applications must be submitted no later than the end of Week 1. Graded: **P/N**. Satisfies: **UHC Elective**

HSTS 440H History of Psychotherapy

CRN: 37027 Section 001 LEC TR 1000 - 1150

4 UHC Credits

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 230H Introductory Microbiology

CRN: 39428 Section 001 LEC MW 1000 – 1050 & F 1200-1250

4 UHC Credits

AND

CRN: 39429 Section 010 LAB F 1000 - 1150

Instructor(s): Linda Bruslind

Microbiology as it affects our everyday lives. The impact of microorganisms on health, food/water, sanitation, environment, industry, and genetic engineering. In the lecture section, students will discuss microbial topics in relation to current events in the news, drawing correlations with their own opinions and experiences. In the laboratory section, students will learn basic microbiological techniques and then build on these to design a microbiology experiment of their choosing. **Course Fee \$25.00**. Satisfies: **Bacc Core - Biological Sciences**

ME 317H Intermediate Dynamics

CRN: 38238 Section 001 LEC TR 1000 - 1150

4 UHC Credits

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. Students must be enrolled in the Professional Engineering Program (Pro School). Satisfies: **UHC Elective**

ME 331H Introductory Fluid Mechanics

CRN: 39430 Section 001 LEC TR 1200 - 1350

4 UHC Credits

Instructor(s): James Liburdy

Fluid mechanics is the study of fluids, either liquid or gas, at rest or in motion. This course introduces the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics.

PREREQS: MTH 254 /254H and MTH 256/256H and ENGR 212/212H and (ENGR 311/311H or ME 311/311H or NE 311/311H). Students must be enrolled in the Professional Engineering Program (Pro School). Satisfies: **UHC Elective**

ME 373H Mechanical Engineering Methods

CRN: 39431 Section 001 LEC TR 1200 - 1320

3 UHC Credits

Instructor(s): Sourabh Apte

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

ME 452H Thermal and Fluid Sciences

CRN: 39354 Section 001 LEC T 1600 - 1750

AND

CRN: 39961 Section 010 LAB R 1300 - 1550

1 UHC Credit

Instructor(s): David Blunck

Course emphasis is on experiments related to thermodynamics, heat transfer, and fluid mechanics. Proper experimental methods, data and uncertainty analysis related to thermal and fluids measurements are discussed. Lab section honors; lecture common with non-Honors course. 4 total OSU credits. PREREQ: ME 311/311H and ME331/331H and ME 332/332H. Students must be enrolled in the Professional Engineering Program (Proscool). Satisfies: **UHC Elective**

MTH 252H Integral Calculus

CRN: 33327 Section 001 LEC MWF 1000 - 1120

4 UHC Credits

OR

CRN: 40906 Section 002 LEC MF 0800 – 0850 & W 0800-0950

4 UHC Credits

Instructor(s): Thomas Dick

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 ICRN: 36002 Section 001 LEC MF 1300-1350 & W 1200-1350
OR4 UHC Credits
Mina Ossiander

CRN: 39433 Section 002 LEC MWF 830 - 950

Robert Higdon

Instructor(s): Mina Ossiander & Robert Higdon

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: 35606 Section 001 LEC MWF 1000 - 1120

4 UHC Credits

Instructor(s): Elaine Cozzi

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 EquationsCRN: 33328 Section 001 LEC MWF 900 - 950
AND

4 UHC Credits

CRN: 40340 Section 010 REC T 900 - 950

Instructor(s): Nathan Gibson

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: 33364 Section 001 LEC MWF 1000 - 1120

4 UHC Credits

Instructor(s): David Koslicki

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. PREREQ: MTH 252/252H; MTH 254/254H recommended. Satisfies: **UHC Elective**

PH 222H Recitation for Physics 212

CRN: 34256 Section 001 REC T 1100 - 1150

1 UHC Credit

Instructor(s): Staff

Honors recitation 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: 34255 Section 001 REC R 1100 - 1150

1 UHC Credit

Instructor(s): Staff

Honors recitation 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**

PHL 443H World Views and Environmental Values

CRN: 39435 Section 001 LEC TR 1000 - 1120

3 UHC Credits

Instructor(s): Barbara Muraca

Human societies are characterized by a specific relation to nature. The way in which this relation is understood and implemented in narrative, policies, norms, and habits, reveals the way in which a society understands itself, how it is constituted and on which basic, shared values it rests. In this class we will explore and compare different models of the relation to nature and discuss the different forms of environmentalism that stem from them. We will examine leading ideas such as 'Sustainable Development', the 'Green Economy', and the debate revolving around the 'economic valuation of ecosystem services' and the Millennium Ecosystem Assessment. We will also engage with the model of an 'Ecological Civilization' that has turned into a main political goal in China, encounter the vision of Radical Ecological Democracy developed by Indian environmental activists, and dedicate some time to study the concept of 'Buen Vivir' (Living Well) that indigenous people from Latin America have proposed as an alternative to the Western model of development. In this class we will meet with different forms of texts: scholarly works in the fields of philosophy, ecology, and political theory; activists' and political documents; policy advice, narrative, and hypertexts. Basic reading material will be provided by the instructor at the beginning of class. Students are encouraged and expected to actively research additional material and to present it in class during the poster presentation sessions. Consistent attendance, a close reading of all the basic texts, and an active participation during class discussion are necessary requirements. Satisfies: **Bacc Core - Contemporary Global Issues**

QS 364H Transgender Politics

CRN: 39436 Section 001 LEC TR 1400 - 1520

3 UHC Credits

Instructor(s): Qwo-Li Driskill

Addresses transgender politics--including transsexual, genderqueer, and gender non-conforming issues--through feminist and intersectional approaches by analyzing transgender theories, arts, and activism. PREREQS: Sophomore standing. Crosslisted with WGSS 364H. Satisfies: **Bacc Core - Difference, Power, and Discrimination**

SOC 444H Prisons, Communities, Prevention

CRN: 39437 Section 001 LEC W 1715 - 2050

4 UHC Credits

Instructor(s): Michelle Inderbitzin

As part of the Inside-Out Prison Exchange Program, OSU Honors students will meet once a week for eleven weeks with “inside” students in the Hillcrest Youth Correctional Facility in Salem. Together we will explore the impact of crime and mass incarceration on the larger community, with particular focus on those neighborhoods most affected by concentrated incarceration, poverty, and other social problems. Along with studying underlying causes of crime and delinquency, we will examine prevention programs and strategies, looking at efforts being made to intervene and improve at-risk children’s life chances. Finally we will work together to write and edit a self-published book authored by the young men in the facility and OSU students in the class. Enrollment is by Instructor(s)’s permission and requires an in-person meeting and the ability to pass a criminal background check. For information, please contact: Michelle Inderbitzin, Ph.D. mli@oregonstate.edu. PREREQ: SOC 204, PREREQ waived for honors students. Satisfies: **UHC Elective**

WGSS 235H Women in World Cinema

CRN: 39956 Section 001 LEC M 1600 - 1850

3 UHC Credits

Instructor(s): Mehra Shirazi

In this discussion-oriented interdisciplinary course, we will examine representations of women and gender through screening films from various genres within a global context. In particular, we will explore films produced by women and/or about women’s lives and experiences in order to analyze constructions and practices of gender in a transnational, multireligious, global framework. By examining the context of various films created within particular historical and cultural contexts, we will develop and expand our understanding of the cultural productions, meanings, and intersections of race, gender, culture, class, sexual identity, and nation. Satisfies: **Bacc Core - Cultural Diversity**

WGSS 280H Women Worldwide

CRN: 38234 Section 001 LEC T 1600 - 1850

3 UHC Credits

Instructor(s): Janet Lee

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 364H Transgender Politics

CRN: 39439 Section 001 LEC TR 1400 - 1520

3 UHC Credits

Instructor(s): Qwo-Li Driskill

See QS 364H for description. PREREQS: Sophomore standing. Crosslisted with QS 364H. Satisfies: **Bacc Core - Difference, Power, and Discrimination**

WSE 415H Renewable Materials in the Modern Age

CRN: 39440 Section 001 LEC T 1300 - 1350

3 UHC Credits

AND

CRN: 39441 Section 010 LAB T 1400 – 1550

AND

CRN: 39442 Section 020 STUDIO R 1400 - 1550

Instructor(s): Sara Robinson

See DHE 415H for description. Crosslisted with DHE 415H. **Course Fee \$80.00.** Satisfies: **UHC Elective**

Z 414H Writing for the Biological Sciences

CRN: 40737 Section 001 SEM TR 1600 - 1650

2 UHC Credits

Instructor: Eric Hill & Barb Taylor

See BI 414H for description. Crosslisted with BI 414H. Satisfies: **UHC Thesis/Research/ Projects**