

BA 465H Systems Thinking and Practice

CRN: 35091	Section 001	LEC	TR 1000-1150	STAG 237	4 UHC Credits
CRN: 40538	Section 002	LEC	TR 1400-1550	STAG 226B	

Instructor: 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**

BI 212H Principles of Biology

CRN: 33647	Section 001	LEC	MWF 1300-1350	CORD 3121	5 UHC Credits
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SIGN UP FOR ONE OF THE LAB/401H PAIRS BELOW

CRN: 33648	Section 010	LAB	M 1400-1650	WNGR 228	Indira Rajagopal
AND					
CRN: 37139	BI 401H –Sec. 002	RES	M 1400-1650	WNGR 228	Indira Rajagopal
OR					
CRN: 35105	Section 020	LAB	W 1400-1650	WNGR 226	Timothy J. Pusack
AND					
CRN: 33122	BI 401H – Sec. 001	RES	W 1400-1650	WNGR 226	Timothy J. Pusack

Cell biology, organ systems, plant and animal biology. The optional BI 401H credit provides an additional credit for research done during the lab section that satisfies a UHC Elective. Course work for students enrolled and not enrolled in BI401H will be identical. Lecture, Lab, and additional research credit total 5 UHC credits.

Course Fee \$30.00. Group Midterms Mondays 1930-2050. For Life Science Majors and Pre-Professional students. PREREQS: CH121 or CH201 or CH221 or CH224H or (CH231 AND CH261). Satisfies: **Bacc Core Biological Sciences Credits & UHC Elective.**

BI 407H Ecology and Environmental Quality in the Himalayas

CRN: 39617	Section 001	SEM	T 1500-1650	CORD 4083	1 UHC Credit
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Meets Weeks 1-5 Only

Instructor: Donald Zobel

This course integrates information from physical science, biology, agriculture, and regional cultures. We summarize the physical environment and biotic diversity of the Himalayan Mountains, with emphasis on patterns of vegetation and its use by people. We consider a set of real problems that cause malnutrition and environmental degradation. We consider the accuracy of "well-known facts", and the problems of dealing with uncertainty in scientific data and in estimating social and economic responses to proposed solutions. Graded: P/N. Satisfies: **UHC Colloquia.** Crosslisted with BOT 407H.

BOT 407H Ecology and Environmental Quality in the Himalaya

CRN: 39618	Section 001	SEM	T 1500-1650	CORD 4083	1 UHC Credit
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Meets Weeks 1-5 Only

Instructor: Donald Zobel

Cross-listed with BI 407H. See BI 407H - Sec. 001 for course description.

CBEE 102H Engineering Problem Solving and Computations

CRN: 38025	Section 001	LEC	M 1700-1750	GLFN AUD	1 UHC Credit
	AND				
CRN: 38026	Section 010	LAB	WF 1400-1550	GRAF 210	
	OR				
CRN: 40423	Section 020	LAB	WF 1600-1750	GRAF 210	

Instructor: Karl Schilke & 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 common with non-Honors.** Lab is reserved for UHC students enrolled in lecture/lab sections of CBEE 102H. PREREQ: MTH 112 or MTH 251. Satisfies: **UHC Elective**

CH 232H General Chemistry*******Choose lecture and one of the corresponding recitation sections*******

CRN: 38111	Section 001	LEC	MWF 1200-1250	GILB 324	4 UHC Credits
	AND				
CRN: 38500	Section 010	REC	T 1100-1150	CRPS 122	
	OR				
CRN: 38501	Section 011	REC	R 1400-1450	FAIR 314	

*******Choose one of the laboratory sections*********CH 262H**

CRN: 38112	Section 010	LAB	T 1200-1450	LPSC 160	1 UHC Credit
	OR				
CRN: 38113	Section 011	LAB	R 1500-1750	LPSC 160	

Instructor: Michael Lerner & Michael Burand

Second course in General Chemistry sequence for Honors College students with one-year high school chemistry and acceptable aptitude test scores. This sequence examines the characteristics of molecular and atomic behavior and the way in which these influence chemical properties and reactions. **Course Fee \$30.00.** PREREQ: (CH231/231H or CH 221 or CH 224H) AND (CH 261/261H or CH271 or CH221 or CH224H). COREQ: CH 232H and CH 262H must be taken concurrently. CH 231/231 H, CH232/232H, and CH233/233H must be taken in order. Satisfies: **Bacc Core Physical Sciences.**

CH 362H	Experimental Chemistry I					3 UHC Credits
CRN: 33608	Section 010	LEC	T 1300-1350	GBAD 409		Emile Firpo
AND						
CRN: 33609	Section 011	LAB	T 1400-1650 R 1300-1650	GBAD 409		

OR

CRN: 33610	Section 020	LEC	W 1300-1350	GBAD 409		John Loeser
AND						
CRN: 33611	Section 021	LAB	W 1400-1650 F 1300-1650	GBAD 409		

Instructor: Emile Firpo or John Loeser

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. **Course Fee \$44.00.** No-show drop fee. Fee is non-refundable. PREREQ: CH 361/361H and CH335. CH 335 can be taken concurrently. Must contact Chemistry department to register. Satisfies: **UHC Elective**

CH 462H	Experimental Chemistry II					3 UHC Credits
CRN: 33612	Section 001	LEC	W 1300-1350	GBAD 309		
AND						
CRN: 33613	Section 010	LAB	W 1400-1650 F 1300-1650	GBAD 309		

Instructor: Michelle Dolgos & Christine Pastorek

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

ENG 260H Literature of American Minorities

CRN: 39620 Section 001 LEC TR 1400-1550 OWEN 106 4 UHC Credits

Instructor: Liddy Detar

Study of the literature of American minorities: North American Indian, black, Chicano/Chicana, Asian, Middle Eastern, gay and lesbian. Satisfies: **Bacc Core Difference, Power, and Discrimination; Literature and the Arts**

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

CRN: 36703 Section 001 LEC MWF 1400-1450 MORE 334 4 UHC Credits

Instructor: 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; Western Culture**

ENGR 112H Introduction to Engineering Computing

CRN: 38027 Section 001 LEC MWF 1400-1450 ROG 332 3 UHC Credits

Instructor: Cindy Grimm

Systematic approaches to engineering problem solving using computers. Logical analysis, flow charting, input/output design, introductory computer programming and use of engineering software. Satisfies: **UHC Elective**

ENGR 213H Strength of Materials

CRN: 38028 Section 001 LEC TR 0800-0950 STAG 222 3 UHC Credits

Instructor: Brian Bay

Properties of structural materials; analysis of stress and deformation in axially loaded members, circular shafts, and beams, and in statically indeterminate systems containing these components. PREREQS: ENGR 211/211H. Satisfies: **UHC Elective**

ENGR 363H Energy Matters

CRN: 38030 Section 001 LEC TR 1400-1550 STAG 222 3 UHC Credits

Instructor: Joe Zaworski

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. PREREQ: MTH 112 or higher recommended but not required. Satisfies: **Bacc Core Science, Technology and Society**

ES 241H Intro to Native American Studies

CRN: 40422 Section 001 LEC MW 1400-1520 WALD 132 3 UHC Credits

Instructor: Natchee Barnd

Comprehensive examination of Native American and Alaskan Native cultures and history, both prior to and following contact with outsiders. Satisfies: **Bacc Core Cultural Diversity**

H 399H Mental Health and Social Policy

CRN: 40215 Section 001 SEM TR 1600-1650 STAG 237 2 UHC Credits

Instructor: 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

CRN: 34184	Section 001	LEC	MWF 1000-1050	STAG 233	3 UHC Credits
OR					
CRN: 31603	Section 002	LEC	TR 0800-0920	STAG 233	
OR					
CRN: 36705	Section 004	LEC	TR 1000-1120	STAG 233	

Instructor: 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. Required for Honors Scholar track prior to fall 2013. PREREQS: WR 121. Satisfies: **Bacc Core Writing II**

HC 299 Building Homes and Hope: Portugal

CRN: 39624	Section 001	SEM	W 1500-1550	STAG 233	1 UHC Credit
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Instructor: Dave Kovac & Evan Smouse

This course is part of a series of 3 colloquia exploring international service-learning and planning for a summer service experience in Portugal with Habitat for Humanity. One of the 3 colloquia is required for participation in the summer service experience, but the courses are in no way limited to only those participating in the summer trip (OUHC 488, a 2 week summer service trip to Portugal in the latter half of June). The winter course focuses on local and regional impacts of international service and relief work; and the spring course revolves around group development and trip logistics. Satisfies: **UHC Colloquia**

HC 407 Power of Context

CRN: 36202	Section 001	SEM	T 1200-1350	STAG 237	2 UHC Credits
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Instructor: Jonathan King

Regular practice in sketching "organized stupidities." Revealing the power of self-reinforcing loops in everyday behaviors. Developing ways to achieve greater response-abilities in your personal, organizational, and national lives. Satisfies: **UHC Colloquia**

HC 407 The Roman Aqueducts

CRN: 39626 Section 002 SEM TR 1500-1550 STAG 233 2 UHC Credits

Instructor: Richard Cuenca

This course is not about the "what" of the Roman aqueducts, but about the "how" of the aqueducts. It is not limited in subject to the city of Rome, but rather to the extent of the Roman Empire. Although the Roman Aqueducts were built some 2,000 years ago, the principles of water resources development applied by the Roman Society still pertain in modern water resources systems today. Through this course students will have an introduction to the hydrologic water balance, basic hydraulics, health and hygiene considerations, cost-benefit analysis, Roman taxation, construction tools and materials, and project management. Satisfies: **UHC Colloquia**

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

CRN: 36225 Section 003 SEM M 1500-1550 STAG 233 1 UHC Credit

Instructor: 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: 36706 Section 005 SEM MW 1300-1350 GRAF 208 2 UHC Credits

Instructor: 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 Robots and Romance: Science Fiction and the Erotic Imagination

CRN: 38033 Section 006 SEM W 1800-2050 OWEN 106 2 UHC Credits
Meets Weeks 2-8 Only

Instructor: Gilad Elbom

How does science fiction cinema envision close encounters of the intimate kind? Inspecting a wide variety of futuristic movies, we will examine notions of passion, desire, sex, sensuality, robotics, reproduction, androids, androgyny, and other related topics. Is there room for courtship, romance, rejection, heartbreak, and other arguably outmoded concepts in a future world marked by cold precision, mathematical formulas, and technological perfection? Is there room for impure thoughts, unmade beds, and the inherently confusing nature of physical love in an excessively clean, calculated, controlled environment? Among the visual texts we will view and discuss are mainstream productions, independent films, and cult classics: *Woman in the Moon* (Germany, 1929), *The Brain That Wouldn't Die* (USA, 1962), *2001: A Space Odyssey* (UK/USA, 1968), *Sleeper* (USA, 1973), *Blade Runner* (USA, 1982), *Liquid Sky* (USA, 1982), *Solaris* (Russia, 1972; USA; 2002), and other movies from different countries and periods. We will also pay attention to critical selections from outside sources and exchange ideas about our topics from multiple perspectives: social, political, historical, psychological, and other relevant approaches. We will expand our analysis through questions about genre, reception, design, plot, narrative devices, gender relations, human-computer interaction, intercultural encounters, utopia and dystopia. This colloquium will culminate with a short piece of original research, incorporating different sources into a unified work of critical commentary. Meets weeks 2-8 only. Graded: P/N. Satisfies: **UHC Colloquia**

HC 407 Writing About Music

CRN: 39627 Section 007 SEM MW 1200-1250 STAG 226B 2 UHC Credits

Instructor: 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). Students are not required to play an instrument or to know music theory, but the course will go over some theoretical terms that may provide the student with some basic vocabulary. Graded: P/N. Satisfies: **UHC Colloquia**

HC 407 You Said Europe?

CRN: 38035 Section 009 SEM TR 1100-1150 STAG 226B 2 UHC Credits

Instructor: Joseph Krause

You said Europe? London, Paris, Rome, Budapest? Seen from the outside, Europe is often perceived as a magnetic destination for tourists, history buffs, and for burgeoning writers, cineastes and painters. Seen from within, particularly by young Europeans, it is an unfinished or equivocal idea. The 1989 Revolutions brought promise for unity and continental stability based on an intellectual legacy fostering progress and development. But Europe is also an idea that represents a violent suppression of cultures, an enduring conflict between histories, memories and beliefs. North Americans justifiably continue to find in Europe many of their cultural origins. But Europe, as an object of cultural inquiry has been for the most part relegated on US campuses to a secondary status, eclipsed by post-colonial studies. In this course we will attempt to cross over disciplines in order to examine the factors that have contributed to harmony and to dislocation in Europe, to unity across cultures and to racial divides. The colloquium discussions will permit students to juxtapose and challenge different interpretations of the European entity and of cultural identity at the beginning of this century. Satisfies: **UHC Colloquia**

HC 407 Thinking Critically: Professional Skills for Global Citizens

CRN: 38041 Section 010 SEM T 1600-1820 STAG 233 1 UHC Credit

Meets weeks 2,4,5 & 7 Only

Instructor: Sunil Khanna

This innovative colloquia will focus on the transformative theme of global citizenship. Who is a global citizen? What does global citizenship mean in a university context? The course will help students build multiple understandings and skills into their professional and personal lives to explore diverse issues such as race/ethnicity, global diversity, and teamwork and leadership in a diverse group setting. Through discussion among peers and term long projects that involve working closely with individuals from diverse cultures and backgrounds, students uncover their own knowledge frameworks and assumptions and how they can effectively work in a globally diverse context. They will discover how social contexts, cultural beliefs, and language deeply shape our ways of knowing, communicating, and acting, often without our awareness. Meets weeks 2,4,5 & 7 only - 1/14, 1/28, 2/4, & 2/18. Satisfies: **UHC Colloquia**

HC 407 Sacred Places

CRN: 39629 Section 011 SEM T 1000-1050 STAG 226B 1 UHC Credit

Instructor: 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 geologists? 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: 39630 Section 012 SEM R 1000-1050 STAG 226B 1 UHC Credit

Instructor: 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. Discussion and viewing of some of our favorite and least favorite science fiction, so we know what to look for while enjoying modern society’s best loved metaphors and mythologies. Graded: P/N. Satisfies: **UHC Colloquia**

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

CRN: 40176 Section 013 SEM W 1600-1750 STAG 237 2 UHC Credit

Instructor: Robert Drummond

Last March, 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: **UHC Colloquia**

HC 407 Buddhism and Science: Intersections

CRN: 40191 Section 014 SEM W 0900-0950 CORD 330 1 UHC Credit

Instructor: Dee Denver

Science of the West and Buddhism of the East have been separated in time and space for most of their respective histories, but recent dialogue between these two traditions has revealed many unexpected commonalities and points of harmony. Areas of discord, however, also remain. This colloquium will offer a series of thought-provoking discussions centered on the interface of Buddhism and science, targeting many scientific frontiers including the cognitive sciences, quantum physics, and the life sciences. Graded: P/N. Satisfies: **UHC Colloquia**

HC 407 Explore Digital Humanities: Where web tools meet the humanities

CRN: 40338 Section 015 SEM MW 1400-1450 VLIB 2082 2 UHC Credits

Instructor: Jane Nichols

“Digital Humanities (DH) offers a set of tools to pose humanistic inquiry, but it doesn't necessarily offer definitive answers to those questions. Instead it celebrates and records a process of intellectual pursuit that is then distributed and disseminated to the Humanities community and abroad. Engaging in Digital Humanities is also an ethos: collaboration, building knowledge, sharing projects, screwing around.” Come explore this ethos and learn what is meant by Digital Humanities (DH); become familiar with some of the many ways scholars use DH tools to conduct and imagine new forms of digital scholarship. This is a hands-on course where you will gain practical experience by employing web based tools like Omeka, WordPress, T-Pen or WikiMedia to create a project meaningful to you and your degree(s). Sample projects include: curating and contextualizing a digital collection; using oral history techniques hold a mini-StoryCorps-like event; or even research and write a Wikipedia entry on a theme, such as Women Scientists, to influence the current gender imbalance. Graded: P/N. Satisfies: **UHC Colloquia**

HC 408 Workshop THESIS: LEARN

CRN: 36226 Section 001 WS R 1700-1850 KIDD 350 1 UHC Credit
Meets Weeks 2, 4, & 8 Only

Instructor: Kevin Ahern/Eric Hill/ 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, faculty, and alumni with experience in the thesis process. TheSIS will assist you by tracking three tasks: 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, or an alum, and 3) answering a series of “nuts and bolts” questions about what it takes to successfully complete the thesis, questions that are relevant to this stage of their experience. The Undertake module of the TheSIS will then be 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 Jan. 16, 30, and Feb. 27 only. Graded: P/N. Satisfies: **Thesis/Research/Projects**

HC 408 Workshop THESIS: UNDERTAKE

CRN: 38340 Section 002 WS R 1700-1850 BEXL 102 1 UHC Credit
Meets Weeks 3 & 7 Only

Instructor: Tara Williams

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: HC 408 TheSIS: LEARN. Meets Jan. 23 and Feb. 20 only. Graded: P/N. Satisfies: **Thesis/Research/Projects**

HC 409 PRAC/CIVIC ENGAGEMENT

CRN: 40190 Section 007 PRAC TBD TBD 1 UHC Credit

Instructor: LeeAnn Baker

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://oregonstate.edu/cce/ongoing>. 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 later than the end of Week 1. Graded P/N. Satisfies: **UHC Elective**

HC 409 PRAC/CONVERSANTS

CRN: 31943 Section 005 PRAC TBD TBD 1 UHC Credit

Instructor: Leanna Dillion

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**

HST 202H History of the United States

CRN: 39764 Section 001 LEC MW 1600-1750 STAG 233 4 UHC Credits

Instructor: Thomas Bahde

This course covers the period 1820-1920, during which the United States became a modern, industrialized, and globalized nation. Americans confronted significant national problems both at home and abroad during this period, including sectionalism and slavery, a bloody Civil War and a contentious Reconstruction, and the problems and challenges associated with an expanding, urbanizing, and diversifying populace. Conflicts over immigration, labor reform, gender and racial equality, foreign intervention, and the nature of the industrializing economy regularly convulsed the body politic. Amidst all of this, ordinary people of diverse backgrounds sought the American promises of life, liberty, and pursuit of happiness. In this course, we will attempt to encompass the breadth of Americans' wide-ranging experiences during the 19th and early 20th centuries, and we will consider the extent to which the problems, issues, and themes of this era can be brought to bear on our own lives and times. This course will also serve as an introduction to historical study as a field that contributes fundamentally to understanding the human experience. Satisfies: **Bacc Core Difference, Power, and Discrimination; Western Culture**

HST 350H Modern Latin America

CRN: 39631 Section 001 LEC MW 1200-1350 WNGR 201 4 UHC Credits

Instructor: Nicole Von Germeten

History of Latin America leading up to and after Spanish and Portuguese conquest. Focus on indigenous American, European and African cultures and religions in contact under colonial government and economic systems. Covers the period from 1400 to 1810. Satisfies: **Bacc Core Cultural Diversity**

HST 432H The History of Sexuality

CRN: 36707 Section 001 LEC TR 1200-1350 STAG 226B 4 UHC Credits

Instructor: Robert Nye

This course is a general historical survey of sexuality in the West from the Greeks to the present. The emphasis will be on trying to understand changes in sexual behavior, attitudes toward sexuality, law, and ethics in historical context. There will be material on sex and gender, pornography, religion, the biology of the sexual body, and the sexual revolution. There will be a mid-term exam, a final exam, and a brief paper. Satisfies: **UHC Elective**

HST 465H American Diplomatic History II

CRN: 39971 Section 001 LEC TR 1200-1350 GILK 100 4 UHC Credits

Instructor: Christopher Nichols

Tracing America's rise to global power, the course moves from the 1890s to 2014 and examines debates over American empire, intervention abroad, and the nation's participation in two world wars. It also investigates the rise and functioning of international and non-governmental organizations, new forms of economic integration into—and interaction in—global markets, the Cold War and “atomic diplomacy,” U.S. anti-communism, and involvement in Korea and Vietnam. Throughout the term the seminar explores reciprocal international relations and U.S. engagement with Central and South America, the Caribbean, the Middle East, Africa, Asia, and Europe. The class concludes by evaluating some of the most pressing international challenges in the early twenty-first century. Satisfies: **Bacc Core Contemporary Global Issues**

HSTS 440H History of Psychotherapy

CRN: 38043 Section 001 LEC TR 1000-1150 STAG 222 4 UHC Credits

Instructor: 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: 39632 Section 001 LEC T 1600-1650 BRC 138 1 UHC Credit

Instructor: Linda Bruslind

An in-depth look at how microbes (bacteria, viruses, fungi, etc) are covered by various types of media and the impact on public perception. How has CSI changed our view of bacteria? Has YouTube enhanced our knowledge of viruses? Satisfies: **UHC Colloquia.**

ME 312H Thermodynamics

CRN: 39640 Section 001 LEC TR 1400-1550 MLM 033 4 UHC Credits

Instructor: Deborah Pence

Exergy destruction, machine and cycle processes, law of corresponding states, non-reactive gas mixtures, reactive mixtures, thermodynamics of compressible fluid flow. Students must be enrolled in the Professional Engineering Program (Pro School). PREREQS: MTH 256/256H and ME 311/311H or NE 311/311H. Satisfies: **UHC Elective. Crosslisted with NE 312H.**

ME 317H Intermediate Dynamics

CRN: 39638 Section 001 LEC TR 1000-1150 ROG 222 4 UHC Credits

Instructor: Nancy Squires

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

ME 383H Mechanical Component Design

CRN: 39856 Section 001 LEC TR 0830-0950 COVL 216 1 UHC Credit
AND
CRN: 39857 Section 010 LAB W 1200-1350 ROG 228

Instructor: Matt Campbell

This course will include short seminars and discussions on contemporary research on topics in component design and system reliability. **Lecture common with non-Honors.** PREREQS: ME 316 and ME 382/382H. Satisfies: **UHC Elective**

ME 452H Thermal and Fluid Sciences

CRN: 39858	Section 001	LEC	T 1600-1750	OWEN 103	1 UHC Credit
	AND				
CRN: 39860	Section 010	LAB	R 1300-1550	GRAF 106	

Instructor: 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. **Lecture common with non-Honors.** PREREQ: ME 311/311H and ME331/331H and ME 332/332H. Satisfies: **UHC Elective**

MTH 252H Integral Calculus

CRN: 33614	Section 001	LEC	MWF 1400-1520	STAG 222	4 UHC Credits
CRN: 38046	Section 002	LEC	MWRF 1100-1150	KIDD 237	David Koslicki
					Scott Peterson

Instructor: TBD

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. **Course Fee \$10.** PREREQ: MTH 251/251H. Satisfies: **UHC Elective**

MTH 254H Vector Calculus I

CRN: 36708	Section 001	LEC	MF 1300-1350	STAG 233	4 UHC Credits
			W 1200-1350		

Instructor: N. Gibson

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

MTH 255H Vector Calculus II

CRN: 36228	Section 001	LEC	MWF 830-950	STAG 233	4 UHC Credits
			Weeks 2-10 Only		

Instructor: Tevian Dray

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. **Course Fee \$10.** PREREQ: MTH 254/254H. Satisfies: **UHC Elective**

MTH 256H Applied Differential Equations

CRN: 33615 Section 001 LEC MWRF 1400-1450 STAG 233 4 UHC Credits

Instructor: Robert Higdon

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: 33657 Section 001 LEC MWRF 1000-1050 WNGR 285 4 UHC Credits

Instructor: Yevgeniy Kovchegov

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

MUS 102H The Art of Film Music

CRN: 38290 Section 001 LEC TR 1000-1120 BENT 204 3 UHC Credits

Instructor: Dana Reason Myers

This course explores the art and history of film music. In class, we examine methods for both analyzing what we hear, as well as developing the ability to understand the unique styles of film music. We trace the evolution of film music through early film to present day cinema, examining both landmark Hollywood films as well as Independent and International film composers. Throughout the course we survey how sound is used in animation, movie trailers, horror films as well as key relationships between directors and composers. The goal of the course is for students to develop critical listening and stylistic recognition of various film scores, techniques and composers. Through close viewings, students will become familiar with the history of film music to gain understanding, appreciation and enjoyment as to how film music frames the spectator's experience. You do not need a background in music, film or technology to take this class. Satisfies: **Bacc Core Literature and the Arts**

NE 312H Thermodynamics

CRN: 39639 Section 001 LEC TR 1400-1550 MLM 033 4 UHC Credits

Instructor: Deborah Pence

Crosslisted as ME 312H. See ME 312H for Course Description.

OC 407H Oceans, Coasts, and People

CRN: 38289 Section 001 SEM TR 1000-1050 WLKN 203 2 UHC Credits

Instructor: Rob Wheatcroft and Angel White

This course examines, through lectures and discussion, contemporary issues involving the oceans and human society. Find out how human activities are impacting the ocean's ecology, chemistry and geology and how ocean processes influence humans. Topics include: sea-level rise; ocean acidification; oil spills; disappearing Arctic sea ice; over fishing; hurricanes; and sinking deltas. Co-taught by a geologist and a biologist, OC407H provides context for many of the most pressing environmental issues of the 21st century. Satisfies: **UHC Colloquia**

PH 222H Recitation for Physics 212

CRN: 34664 Section 001 REC T 1100-1150 WNGR 304 1 UHC Credit

Instructor: Tomasz Giebultowicz

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: 34663 Section 001 REC R 1100-1150 WNGR 304 1 UHC Credit

Instructor: David Roundy

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 Cosmology: The History and Nature of the Universe

CRN: 37134 Section 001 SEM TR 1400-1450 STAG 237 2 UHC Credits

Instructor: Albert Stetz

Cosmology is the study of the universe as a whole; its structure and composition, the physical processes that are at work in it, and the history of its birth and subsequent evolution. Thanks in part to recent satellite-based observations, we know that the universe is 13.7 billion years old, that it contains 100 billion galaxies rotating around giant black holes, that most of the matter is in the form of some unknown invisible material, and most of the energy is in some dark form that is tearing the universe apart! We will study this in a descriptive and semi-quantitative way using at most some elementary physics. Each student is asked to choose a research topic fine-tuned to his or her interests and background, write a research paper, and give a 20-minute presentation in class. The final grade is based on the paper, the presentation, and the student's classroom participation. Satisfies: **UHC Colloquia**

PHL 444H Biomedical Ethics

CRN: 39633 Section 001 LEC TR 1200-1340 STAG 233 4 UHC Credits

Instructor: Courtney Campbell

Application of ethical principles and decision-making processes to selected problems in medicine, health care, and biotechnology. Special attention given to end-of-life choices, reproductive rights and technologies, organ transplantation, research ethics, genetic engineering, and allocating scarce resources. An interdisciplinary focus that draws on social, legal, economic, and scientific issues in ethical decision in medicine. Satisfies: **Bacc Core Science, Technology and Society**

QS 262H Introduction to Queer Studies

CRN: 39636 Section 001 LEC TR 1400-1520 FURM 202 3 UHC Credits

Instructor: Qwo-Li Driskill

Centering itself on activism and scholarship, this course examines homophobia's and transphobia's relationship with racism, colonialism, sexism, ableism, classism and other forms of oppression. This course will introduce key concepts, histories, and political frameworks within Lesbian, Gay, Bisexual, Transgender, and Queer political movements. Satisfies: **Bacc Core Difference, Power, and Discrimination**. Crosslisted with WGSS 262H.

WGSS 262H Introduction to Queer Studies

CRN: 39635 Section 001 LEC TR 1400-1520 FURM 202 3 UHC Credits

Instructor: Qwo-Li Driskill

Crosslisted with QS 262H. See QS 262H for course description.

WGSS 280H Women Worldwide

CRN: 39634 Section 001 LEC T 1600-1850 WALD 201A 3 UHC Credits

Instructor: 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 360H Men and Masculinities in a Global Context

CRN: 39637 Section 001 LEC TR 1600-1720 WALD 132 3 UHC Credits

Instructor: Bradley Boovy

The rise of global media, the expansion of transnational networks of exchange and communication, and increased consumer interest in cultural products from around the world have challenged the ways we understand and perceive men and masculinity in local, regional, and national cultures. For example, traditional icons of American masculinity such as the cowboy, the athlete, and the middle-class father now compete with alternative representations of men from different cultural traditions. It seems like we are confronted with an endless number of conceptions of what it means to “be a man.”

In this course we will adopt a global perspective in discussing a selection of texts that focus on representations of men. We will develop tools for describing, interpreting and critiquing the texts; and we will learn to talk critically about some of the conventions of representing men in film, television, literature, and visual culture. We will also discuss the many ways in which conventional representations of men and notions of masculinity have been challenged through representations of figures that do not appear to “measure up” including gay men, butch women, men of color, and gender nonconforming and transgender people. Throughout the term, you will be expected to engage regularly in class discussions, complete a number of written and creative assignments, and participate in a service project in the larger community that allows you to extend our discussion beyond the classroom. Satisfies: **Bacc Core Contemporary Global Issues**

WSE 470H Forests, Wood and Civilization

CRN: 38052 Section 001 SEM TR 1400-1520 PVY 224 3 UHC Credits

Instructor: Hal Salwasser

Part of this course involves student role-play as members of special interest groups, and then joining forces in Citizens Advisory Panel to make a recommendation for a fictitious renewable resource issue. Class will benefit from students with wide range of academic backgrounds and personal views to ensure lively and deep discussions and to challenge us to work on our critical thinking skills. Satisfies: **Bacc Core Contemporary Global Issues**