BA 465H  Systems Thinking and Practice

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

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

CRN: 33647  Section 001  LEC  MWF 1300-1350  CORD 3121  5 UHC Credits

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

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

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
AND
CRN: 38026
OR
CRN: 40423

Section 001  LEC  M 1700-1750  GLFN AUD  1 UHC Credit

Section 010  LAB  WF 1400-1550  GRAF 210

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
AND
CRN: 38500
OR
CRN: 38501

Section 001  LEC  MWF 1200-1250  GILB 324  4 UHC Credits

Section 010  REC  T 1100-1150  CRPS 122

Section 011  REC  R 1400-1450  FAIR 314

*****Choose one of the laboratory sections*****

CH 262H

CRN: 38112
OR
CRN: 38113

Section 010  LAB  T 1200-1450  LPSC 160  1 UHC Credit

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

CRN: 33608 AND
CRN: 33609

CRN: 33608 Section 010 LEC T 1300-1350 GBAD 409 Emile Firpo
CRN: 33609 Section 011 LAB T 1400-1650 R 1300-1650 GBAD 409

OR

CRN: 33610 AND
CRN: 33611

CRN: 33610 Section 020 LEC W 1300-1350 GBAD 409 John Loeser
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 CH 335. CH 335 can be taken concurrently. Must contact Chemistry department to register. Satisfies: **UHC Elective**

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CH 462H  Experimental Chemistry II

CRN: 33612 AND
CRN: 33613

CRN: 33612 Section 001 LEC W 1300-1350 GBAD 309 3 UHC Credits
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
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

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

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

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

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

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

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  MWF 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  MWF 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