BA 352H  Managing Individual and Team Performance

CRN: 60314  Section 001  LEC  TR 0800 - 0950  4 UHC Credits

Instructor(s): Richard Martell

Diagnose individual and small-group behavior and develop skill in improving individual and small-group performance in entrepreneurial and established ventures. Emphasis on professional skill development and the practical application of theory and research. Concepts of ethics, diversity and cross-cultural relations are integrated throughout the course. Prereqs: COMM 111/111H or COMM 114/114H. Satisfies: UHC Elective

BA 407H  Managing Technical Innovation

CRN: 60578  Section 001  SEM  W 1000 - 1150  2 UHC Credits

Instructor(s): John Turner

Technology based innovation can be a significant driver for job growth and economic prosperity. However successfully commercializing a product or service requires a detailed knowledge of customer needs, industry trends, competitive offerings, and the financial and regulatory environment. This course provides tools, methods and experiential learning in the handling of technology-based innovation. This seminar series and practicum will include topics and exercises in opportunity recognition, feasibility assessments, protection of intellectual property, primary and secondary market research, identifying the optimum commercialization approach, and the development of business models for technology-based startups. Students will have the opportunity to practice these tools and methods on recently submitted invention disclosures and awarded patents from the OSU portfolio. Prereq: BA 260/260H recommended, but not required. Satisfies: UHC Colloquia

BB 407H  Protein Portraits

CRN: 58294  Section 002  SEM  TR 1000 - 1050  2 UHC Credits

Instructor(s): Phil McFadden

In this course each student will build one or more three-dimensional models of protein molecules. We will use the Protein Data Bank to guide our construction processes. In addition to covering the scientific description of proteins, the course will survey how leading graphic artists from Irving Geiss and Jane Richardson to today’s Java hotshots have portrayed proteins as accessible works of art. Special attention will be paid to the scientific and artistic description of protein pockets where various materials become bound to proteins, including other proteins, leading to the astounding shapes and structures we witness today as masterpieces of biochemical research. Our protein models may be displayed in a public gallery exhibition. Satisfies: UHC Colloquia
BI 213H  
Principles of Biology

CRN: 53825  Section 001  LEC  MWF 1300 - 1350  & GRP Midterm  
4 UHC Credits

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

CRN: 53826  Section 010  LAB  M 1400 - 1650  
Indira Rajagopal

CRN: 52649  BI 401H – Sec. 001  RES  M 1400 - 1650  
1 UHC Credit

OR

CRN: 54114  Section 020  LAB  R 0800 - 1050  
Nathan Kirk

CRN: 54115  BI 401H – Sec. 002  RES  R 0800 - 1050  
1 UHC Credit

Instructor(s): Nathan Kirk & Indira Rajagopal

Genetics, evolution, natural selection, and ecology. 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 CH 224H) OR (CH231/231H and (CH261/261H OR CH271)).  
Course Fee $30.00  
Satisfies: Bacc Core - Biological Sciences

BI 435H  
Genes and Chemicals in Agriculture: Value and Risk

CRN: 54305  Section 001  LEC  T 0900 - 0950 & 1600 - 1650  
R 0900 - 0950  
3 UHC Credits

Instructor(s): Steven Strauss & Dave Stone

This class will examine the use of genetic engineering, pesticides, and other environmental technologies with respect to their benefits and damages to societies and the environment. The class features lectures by experts in a number of fields that range from organic agriculture to animal cloning. The class will address biological and social aspects of biotechnologies, including scientific methods, safety analysis, government regulation, corporate interests, information reliability, and ethical considerations for decision-making. Each lecture is followed by small group discussions and interviews with the speaker to help critique the information presented, and answer questions of interest to students. Prereqs: Students should have junior or senior standing, and at least two quarters of introductory biology. Cross-listed with FES 435H & TOX 435H. Satisfies: Bacc Core - Science, Technology and Society.
CH 233H  Honors General Chemistry

CRN: 57128  Section 001  LEC  MWF 1200 - 1250  5 UHC Credits

**CHOOSE ONE OF THE RECITATION SECTIONS**

CRN: 57129  Section 010  REC  T 1100 - 1150  Kevin Gable

OR

CRN: 57250  Section 011  REC  R 1400 - 1450  Kevin Gable

**AND CHOOSE ONE OF THE LABORATORY SECTIONS**

CH 263H  Laboratory for Chemistry 233H

CRN: 58295  Section 011  LAB  R 1500 - 1750  Michael Burand

OR

CRN: 57127  Section 010  LAB  T 1200 - 1450  Michael Burand

Instructor(s): Kevin Gable & Micheal Burand

Third course in General Chemistry sequence for Honors College students with one-year high school chemistry. This sequence examines the characteristics of molecular and atomic behavior and the way in which these influence chemical properties and reactions. Prereqs: (CH232/232H or CH 222 or CH 225/225H) and (CH 262/262H or CH272 or CH 222 or CH 225H). CH 263H or CH 273 must be taken concurrently. **Course Fee $30.00** Satisfies: **Bacc Core - Physical Sciences**

CH 463H  Experimental Chemistry II

CRN: 52650  Section 001  LEC  W 1300 - 1350  3 UHC Credits

AND

CRN: 52651  Section 010  LAB  W 1400 - 1650  & F 1300 - 1650

Instructor(s): Christine Pastorek and Emile Firpo

Second-level integrated laboratory course for majors in chemistry and related disciplines, covering experimental techniques of analytical, inorganic, organic and physical chemistry. Prereqs: CH 362/362H and (CH324 or CH461/461H) and CH442. CH442 can be taken concurrently. **Additional no-show drop fee. Course Fee $44.00. Fee is non-refundable.** Satisfies: **UHC Elective**

CHE 333H  Transport Phenomena III

CRN: 60317  Section 001  LEC  MW 1300 - 1350

AND

CRN: 60318  Section 010  STUDIO  TR 1400 - 1450  1 UHC Credits

Instructor(s): Liney Arnadottir

A unified treatment using control volume and differential analysis of binary mass transfer, prediction of mass transport properties, and introduction to mass transfer operations. Studio section honors; lecture common with non-honors sections. 3 total OSU credits. Prereqs: CHE 331/331H or CHE 332/332H. Satisfies: **UHC Elective**
ENG 374H       Modern Short Story

CRN: 60320   Section 001   LEC   TR 1400 - 1520                  4 UHC Credits

Instructor(s): Majorie Sandor

In this course we will study several masterful short stories from the early 19th century to the present, using Freud’s notion of “the uncanny” as a starting point from which to explore the complexities of the modern experience from the psychological to the social and spiritual. We will focus on the way the elements of a literary writer’s craft—such as imagery and setting, point of view, character, tone, and dramatic structure—contribute to the reader’s experience and interpretation of meaning in a literary work. Written work required: two 1 page (single-spaced) take-home analyses, unannounced quizzes and in-class writing, midterm exam, final exam, and a research presentation.

Satisfies: Bacc Core - Literature and the Arts

ENGR 212H       Dynamics

CRN: 57133   Section 001   LEC   MWF 0900 - 0950                  3 UHC Credits

Instructor(s): Ravi Balasubramanian

Kinematics, Newton’s laws of motion, and work-energy and impulse-momentum relationships applied to engineering systems. Prereqs: ENGR211/211H and PH211/211H. Satisfies: UHC Elective

ENGR 391H       Engineering Economics and Project Management

CRN: 57148   Section 001   LEC   TR 0830 - 0950                  3 UHC Credits

Instructor(s): Ean Ng

The traditional roles of engineers and scientists are changing rapidly to roles that require solid management and technical skills. This course explores the transition from engineer and/or scientist to manager, through two fundamental engineering and technology management skills: project management and engineering economic analysis. The combination of project management and engineering economic analysis will provide students a glimpse into the life cycle of engineering/technology projects and the management/decision making behind such projects. Satisfies: UHC Elective

FES 435H       Genes and Chemicals in Agriculture: Value and Risk

CRN: 60032   Section 001   LEC   T 0900 - 0950 & 1600 - 1650   3 UHC Credits
                      R 0900 - 0950

Instructor(s): Steven Strauss & Dave Stone

See BI 435H for course description. Crosslisted with BI 435H and TOX 435H. Satisfies: Bacc Core - Science, Technology and Society
FR 429H  French Society Through Its Cinema

CRN: 60335  Section 001  LEC   T 1600 - 1850  3 UHC Credits

Instructor(s): Nabil Boudraa

An examination of French society through its own cinema. Via the screening and study of films from the various periods of French history, students will delve into the heart of French society and will discover the socio-historical, political, economic and cultural context. Knowledge of French is not required. Satisfies: Bacc Core – Western Culture

GEO 335H  Introduction to Water Science and Policy

CRN: 56018  Section 001  LEC   TR 1500 - 1620  3 UHC Credits

Instructor(s): Aaron Wolf & Michael Campana

This course provides students with an introduction to hydrology—the science dealing with Earth’s freshwaters—and the policies that affect use, distribution, quality, and management of those waters. About one third of the course is devoted to science, one third to policy, and one third to student presentations. Satisfies: Bacc Core - Science, Technology and Society

GER 231H  German Dictatorships: Nazis and Communists

CRN: 61107  Section 002  LEC   MW 1000 - 1120  3 UHC Credits

Instructor(s): Sebastian Heiduschke

Introduction to the two best-known dictatorships in German society, National Socialism of the Third Reich from 1933-1945 and Socialism in the German Democratic Republic from 1949-1989 via the study of visual media (feature films, documentaries, newsreels, etc.) and other primary and secondary sources. Prereqs: Sophomore standing. Satisfies: Bacc Core - Western Culture

HC 199  Honors Writing

CRN: 51722 OR 52735 OR 56015  Section 001, 002, 003  LEC   MW 0800 - 0920, TR 0800 - 0920, 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  
**Farside Entomology**

CRN: 54620  
Section 001  
SEM  
W 1800 - 1950  
2 UHC Credits

Instructor(s): Michael Burgett

Farside Entomology is designed to introduce you to the humanistic side of entomology by utilizing the entomological humor of Gary Larson, et alia as paradigms of human-insect interactions. Interactions between humans and insects are numerous, of variable time scales and of varying implications (for both the human and the insect), ranging from the mildly humorous to the deadly serious. The "cartoon" format normally provides an anthropomorphic view of insects. This can be an incredibly rich venue as an introduction to the more serious aspects of insects and their relevance to human activities. Satisfies: **UHC Colloquia**

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HC 299  
**The Art of Healing - Medical Ethics Through the Movies**

CRN: 57134  
Section 002  
SEM  
TR 1300 - 1350  &  
T 1800-1950  
(Weeks 1-5 Only)

OR

CRN: 58303  
Section 003  
SEM  
TR 1300 - 1350  &  
T 1800-1950  
(Weeks 6-10 Only)

Instructor(s): Courtney Campbell

This is a special colloquium on the art of healing in medicine open to interested honors, medical humanities, and pre-medical students. The focus of the colloquium this term is medical ethics, which will be explored through readings and illustrative films. The topics in medical ethics for class discussion include physician-patient relationships, reproductive technologies, medical research, genetic engineering, and end-of life issues. These issues will be discussed in class and illustrated through (required) attendance at screenings of the following films: The Cider House Rules, The Doctor, Gattaca, Million Dollar Baby, and the documentary, How to Die in Oregon. Meets weeks 1-5 only OR weeks 6-10 only. Satisfies: **UHC Colloquia and Medical Humanities Colloquia**

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

CRN: 58304  
Section 004  
SEM  
W 1500 - 1550  
1 UHC Credit

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 focused 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  History of Rock & Roll EMP Trip

CRN: 60321  Section 005  SEM  T 1800 - 1850  1 UHC Credit

Meets Weeks 8-10 Only / Trip May 29-31, 2015

Instructor(s): Ryan Biesack

This unique colloquium combines some preparatory reading and listening and discussion, and culminates in a trip to the Experience Music Project Museum in Seattle. Here we will explore collections and installations of some of the most important artists, bands, sounds, fashion, media, instruments and technology that have helped define popular music throughout history, shaping and reflecting our society in the process. The course requires attendance at an organizational meeting (5/19), a three day field trip (5/29/15-5/31/15), and one discussion meeting (6/2). The course has a $161 course fee which covers lodging, two breakfasts, transportation, and entrance into the EMP museum. Bring money for snacks and meals, besides breakfast (which will be provided). Since all arrangements have been prepaid the course fee is non-refundable if the course is not dropped prior to the 1st day of the term. Graded: P/N. Course Fee: $161.00 Satisfies: UHC Colloquia

HC 299  Topics in Medicine – Pulling Back the Curtain

CRN: 60698  Section 006  SEM  M 1800-1950  2 UHC Credits

Instructor(s): Gabriel Ledger

For students interested in the US medical system and real-world applications of healthcare delivery. This course presents detailed discussions of topics such as evidence-based medicine, standards of care, medical innovation & technology, screening & preventive health, healthcare economics, consumer-driven healthcare, disparities in healthcare and outcomes, communication in medicine, medical error, cultural sensitivity, and others. Topics will be illustrated with specific examples from the day-to-day practice of clinical medicine, presented by an emergency room physician. Previously ran as PHL 399H. Satisfies: UHC Colloquia

HC 399  Introduction to Rocket Science

CRN: 60322  Section 001  SEM  TR 0800 - 0920  3 UHC Credits

Instructor(s): Jack Higginbotham

The course is an introduction to the history, societal impact and basics of rocket theory, design, testing and applications. Topics include: trajectories, orbits, thrust, engine design, rocket components, testing, stability, control and complexities of rocket flight. A model rocket will be constructed, a microprocessor controlled sensor payload will be flown and the class will visit the rocket artifacts displayed at the Evergreen Aviation and Space Museum. Prereqs: Recommended class standing of sophomore or above. Satisfies: UHC Elective
HC 407  Shakespeare via Ashland

CRN: 51723  Section 001  SEM  T 1800 - 1850

Trip April 17-19, 2015

Instructor(s): Eric Hill

The course requires attendance at an organizational meeting (4/14), a three day field trip (4/17/15-4/19/15), and one discussion meeting (4/21). At this meeting you will turn in and discuss your written assignment. Write either of two options:

1. a short (no longer than five minute) scene based on one of the plays or
2. an analysis based on at least one character from the play.

Travel Details: Leave Friday, April 17th, at 12:30pm; arrive in Ashland to check into the Best Western Windsor Inn and leave to see Fingersmith. Saturday will consist of two shows: Pericles and Long Days Journey Into Night. Sunday April 19th (following breakfast) we will depart Ashland at 10:00am.

Course Fee of $240.00 includes tickets for three plays, coach travel, and two nights stay with continental breakfast at the Windsor Inn. Bring money for snacks and meals, besides breakfast (which will be provided). Since all arrangements have been prepaid the course fee is non-refundable if the course is not dropped prior to the 1st day of the term. All students are required to travel and stay as a group. Pick up class syllabus in the UHC office during week 10 of Winter Term. Please note that this class can only be taken twice for credit. Graded: P/N. $240 Non-Refundable course fee. Satisfies: UHC Colloquia

HC 407  STEM Outreach as Service Learning - Community Outreach

CRN: 57164  Section 005  SEM  R 1800 - 1950

Instructor(s): Skip Rochefort & Margie Haak

The colloquium will focus on doing. Students will learn about the delivery of STEM (Science, Technology, Engineering, and Math) content in typical outreach environments. And they will learn by doing, as they will be required to participate in five K-12 Outreach events. The 10 hrs of outreach participation approximately every other week, will be part of the course time requirements. Service Learning Opportunities – Discovery Days, Earth Day, Family Science and Engineering Nights, and school campus visits.

Graded: P/N  Satisfies: UHC Colloquia

HC 407  Adapting to Global Interdependence

CRN: 57260  Section 008  SEM  R 1000 - 1150

Instructor(s): Richard Clinton

Global interdependence has come about gradually but inexorably as 1) the human population has burgeoned, 2) new technologies have multiplied human interactions and impacts, 3) globalization of trade has intermeshed geographically separated economies, 4) weapon systems have acquired unprecedented reach and destructiveness, and 5) modern communications have revealed every part of the world to every other part. Climate change, which results from the cumulative effects of these processes on the global eco-system, is, perhaps, the most dramatic symbol of Global Interdependence. While these various trends have not gone unreported, the profundity of the change that Global Interdependence represents in the conditions of life on Earth has largely escaped notice. In light of these new conditions, accepted assumptions must be rethought, honored values realigned, accustomed ways of doing things modified or abandoned. The purpose of this colloquium is to clarify our understanding of Global Interdependence and its implications and to explore a number of measures that hold promise for meeting the challenges it poses. Junior standing or above recommended. Graded: P/N  Satisfies: UHC Colloquia
**HC 407  Plastics for Poets**

CRN: 56067  Section 011  SEM  W 1700 - 1850  2 UHC Credits

Instructor(s): Skip Rochefort

In one of the most memorable scenes from the 1967 movie classic “The Graduate,” Ben (Dustin Hoffman) is given an invaluable piece of advice by Mr. McGuire, one of his father’s oldest business friends: “Ben, there’s a great future in PLASTICS. Think about it. Will you think about it?” And indeed PLASTICS “were” the future and still “are” a major part of the present (because they don’t break down and will never go away!). This colloquium will expose students to their reliance on plastics in every aspect of their daily lives - from soft drinks and baby diapers to automobiles and high-performance clothing. There will be a series of hands-on activities and experiments related to plastics and gels. The material will be presented in such a way that it is accessible to students from all majors. There are no pre-requisites for the course - other than a genuine interest in learning how and why many of the items we encounter each day are made. The text for the course (provided to students on loan by Dr. Rochefort) will be the thought provoking book by Susan Freinkel, *Plastic: A Toxic Love Story*. Satisfies: UHC Colloquia

**HC 407  Addiction in the Modern Society**

CRN: 56068  Section 012  SEM  MW 1400 - 1450  2 UHC Credits

Instructor(s): Ray Tricker

The purpose of this course is to examine issues related to addictive behaviors; to assist students to develop a deeper understanding of the elements that "drive" individuals to engage in obsessive substance abuse, gambling, sex and pornography, over exercising, work, or under achieving, and over or under eating. Graded: P/N  Satisfies: UHC Colloquia

**HC 407  Lives and Stories: Explorations in Biography & Autobiography**

CRN: 57136  Section 017  SEM  M 1200 - 1350  2 UHC Credits

Instructor(s): Thomas Bahde

This course examines the ways in which life writing, storytelling, and history are intertwined in the genres of biography and autobiography. At its core, the course asks whether authentic (auto)biography is possible and to what ends. To write about a life is to fix in time and space something that does not stand still - a difficult task, and yet one that seems necessary to understanding the human condition. We will consider themes that are essential to life writing, but also that move beyond that specific project: self-discovery/-knowledge/-awareness; empathy for both historical and contemporary individuals; and the extent to which we all make and remake personal narratives as we address ourselves to the ever-changing world and people around us. In addition to weekly readings and class discussions, students will produce a piece of life writing during the course - biographical, autobiographical, or some combination - as a way to explore one or more of these themes in a significant way.” Graded: P/N  Satisfies: UHC Colloquia
HC 407  
**Principles of Comparative Planetology**

CRN: 57137  
Section 018  
SEM  
TR 1000 - 1050  
2 UHC Credits

Instructor(s): Randall Milstein

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

HC 407  
**The Invention of Altered States**

CRN: 57140  
Section 020  
SEM  
T 1200 - 1350  
2 UHC Credits

Instructor(s): Robin Pappas

The nineteenth through early twentieth centuries saw a transformation in how Western cultures understand human consciousness. This shift was informed in part by “science,” technologies and methods for describing and explaining behavior and experience that were becoming disciplines: neurology, physiology, pharmacy, psychology, and psychiatry; and by aesthetics, the artistic, literary, and philosophical texts and perspectives (themselves using technologies and methods) emphasizing the subjective and social relevance of experience. In the interest of documenting “the whole man,” these discourses explored experiences reflecting the typically intractable aspects of human consciousness, what Aldous Huxley (author of *Brave New World* and *The Doors of Perception*) termed “the mind’s antipodes.” In short, they investigated altered states of consciousness, particularly those induced by substances. The prominent genre for articulating this transformation was the drug confession. Though first adopted by aesthetic authors, the confession model provided a rhetorical architecture for scientific writers, as well. By looking at how authors describe the phenomena they experience as a result of using substances, we will find new ways to ask questions about topics as diverse as poetic expression, medical ethics, human consciousness, and legal history. Most important to our investigation will be the challenge of understanding the ways in which substance use within specific socio-historical moments transforms behavior and self-image.  Satisfies: UHC Colloquia

HC 407  
**Historical Fictions & Fictional Histories**

CRN: 58305  
Section 022  
SEM  
R 1600 - 1750  
2 UHC Credits

Instructor(s): Thomas Bahde

Cultural critic and theorist Hayden White wrote: “If there is an element of the historical in all poetry, there is an element of poetry in every historical account of the world.” Historian Simon Schama says similarly: “the asking of questions and the relating of narratives need not...be mutually exclusive forms of historical representation.” This course explores the ways in which both historians and novelists construct historical stories, and examines the premise that there is more than one way to tell a true story. We will inquire how creative imagination helps us comprehend historical experience, and we will seek an understanding of historical truth that embraces both the authority of history and the empathy of literature. We will read literary classics, recent literature, and non-traditional histories that complicate our understanding of truth, fiction, and history.  Graded: P/N  Satisfies: UHC Colloquia
Instructor(s): David Ullman
We make decisions every moment of our lives, yet we receive scant training about how to make good, robust decisions. Some decisions are automatic: the building is on fire and you decide to get out—fast. But many engineering design, scientific, business and life decisions require careful thought based on uncertain, evolving, and conflicting information. Good engineers, scientists, and business people make robust decisions, ones based on limited information, yet ones that look good a week, a year, five years later. Making these types of decisions requires structures and methods that lead to the best possible choices.

In this course students will apply what is learned to choices in their life and professional issues. Students will dissect decisions that they have made (are making) and those made in their discipline or area of interest. Some of this work will be in class and some outside. The course will be very interactive with students presenting and discussing personal and professional decisions. The students will also make team decisions, paired with others in different disciplines and with differing, even conflicting values. This is not a self-help or philosophy course, but a course to help students structure and manage information so that they can make the best possible decisions. Graded: P/N  Satisfies: UHC Colloquia

Instructor(s): Don Johnson
This seminar will examine the relationships between leadership and positive psychology using Martin Seligman’s PERMA theory as a contextual base for examining “action orientated leadership” and “visionary orientated leadership.” Students will compare and contrast the differences between the two forms of leadership. Students will learn about the foundations of Seligman’s PERMA Theory on Positive Psychology/Well Being, and how this theory can serve as a baseline for leading groups through visionary leadership design. Graded: P/N  Satisfies: UHC Colloquia

Instructor(s): Eric Hill
The writer E.B. White once said, "Humor can be dissected as a frog can, but the thing dies in the process and the innards are discouraging to any but the pure scientific mind." We'll be killing a lot of frogs in this course, examining many types of humor -- including satire (Horatian versus Juvenalian), burlesque, parody, irony, gallows, anti-humor, and more. Students will write analyses and present examples of humor in class, but they will also present their own attempts at writing humor. Students will learn about the various theories of humor, the history and development of different types of humor, and how to use the tools of analysis to examine the various mechanisms of humor. Graded: P/N Satisfies: UHC Colloquia
HC 407  The Evolution of Airplanes

Instructor: David Ullman

Machines that fly have evolved for over 200 years and the arc is continuing - beginning with George Caley in the early 19th century, through the Wright Brothers in the early 20th century, the era of records in the 1920s and 30s, the evolution of the war machine in the 1940s, the pilotless eye in the sky of the last 10 years, and on to the promise of unmanned, composite, electric aircraft. This course examines the development of the technologies, politics and cultural attitudes toward commercial, military, general aviation and science fiction air travel. We examine the trajectory of these evolutions and try to predict what air travel will look like by mid 21st century. What will your grandchildren see when they look up? How will they fly? Graded: P/N. Satisfies: UHC Colloquia

HC 408  Workshop THESIS: LEARN

Instructor(s): Kevin Ahern, Indira Rajagoapl, 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. Prereqs: Prior completion of TheSIS stage: START. Meets weeks 3, 5, 8 only. Graded: P/N. Satisfies: UHC Thesis/Research/Projects

HC 408  Workshop THESIS: UNDERTAKE

Instructor(s): Michael Burgett and Michelle McAllaster

This course will guide students through the third stage of the Thesis Success in Stages (TheSIS) process, UNDERTAKE. During this course students will select a thesis mentor, create a thesis statement, write a thesis proposal, and begin to develop a research plan. The course will require participants to turn in a completed Thesis Proposal, Agreement & Timeline, signed by a thesis mentor, by the end of the term. This course meets twice throughout the term and is team taught. To take this course you must have completed all previous TheSIS stages. For full details please see: honors.oregonstate.edu/thesis. Meets weeks 3 and 6 only. Graded: P/N Satisfies: UHC Thesis/Research/Projects

HC 408  Workshop THESIS: GRADUATE

Instructor(s): Tara Williams

This course will guide students through the final stage of the Thesis Success in Stages (TheSIS) process. The goals of Thesis: GRADUATE are the completion of a thesis draft, the preparation for the thesis defense and the design of a thesis poster. Students need to have completed their research and be prepared to begin writing the thesis draft. This course meets three times throughout the term. To take this course you must have completed all previous TheSIS stages. For full details please see: honors.oregonstate.edu/thesis. Meets weeks 1, 3, & 5 only. Graded: P/N Satisfies: UHC Thesis/Research/Projects
**HC 409   PRAC/CONVERSANTS**

CRN: 51701   Section 007   PRAC   TBD   1 UHC Credit

Instructor(s): Leanna Dillon

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

**HC 409   PRAC/CIVIC ENGAGEMENT**

CRN: 58819   Section 008   PRAC   TBD   1 UHC Credit

Instructor(s): Leanna Dillon

The Center for Civic Engagement provides an opportunity for honors students to earn credit while participating in an ongoing community engagement project within the local community. Participating honors students commit to serving on average 2-3 hours per week within their project site, keeping track of their service hours, and completing 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

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

CRN: 60587   Section 001   LEC   MWF 1300 - 1350   3 UHC Credits

Instructor(s): Katherine Hubler

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

**HST 425H   Holocaust in its History**

CRN: 60326   Section 001   LEC   TR 1400 - 1550   4 UHC Credits

Instructor(s): Paul Kopperman

An inquiry into the causes, course, and impact of the Holocaust. The general theme of anti-Semitism in European history is explored for background. Topics discussed for comparative purposes include anti-Semitism in American history; other episodes of mass murder in the 20th century.  Satisfies: Bacc Core - Contemporary Global Issues
HSTS 415H  Theory of Evolution and Foundation of Modern Biology

CRN: 60327   Section 001   LEC   MW 1000 - 1150   4 UHC Credits

Instructor(s): Michael Osborne
Origin and development of Darwin's theory of evolution. Reception of theory and history of evolution to the present. Satisfies: **Bacc Core - Science, Technology and Society or WIC**

MTH 254H  Vector Calculus I

CRN: 52899   Section 001   LEC   MWF 1600 - 1720   4 UHC Credits

Instructor(s): Tevian Dray

MTH 256H  Applied Differential Equations

CRN: 54370   Section 001   LEC   MWF 1300 - 1350
AND  
CRN: 60328   Section 010   REC   W 1200 - 1250   4 UHC Credits

Instructor(s): Stephen Scarborough
First order linear and nonlinear equations, and second order and higher order linear equations, Laplace transform, and applications appropriate for science and engineering. Prereqs: MTH 254/254H. Satisfies: **UHC Elective**

MTH 306H  Matrix and Power Series Methods

CRN: 58299   Section 001   LEC   MWF 1400 - 1450
AND  
CRN: 60329   Section 010   REC   W 1500 - 1550   4 UHC Credits

Instructor(s): Adel Faridani
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  Music Appreciation II: A History of Rock and Roll

CRN: 56180  Section 001  LEC  TR 1000 - 1120  3 UHC Credits

Instructor(s): Ryan Biesack

This survey is a selected examination and study of musical and social events that have occurred in popular culture over a period of roughly the past 50 years, and what has come to be known generally as “Rock” music. The survey will begin its journey looking at the 1950’s and the beginnings of Rock music and conclude with the Rock culture of today. The term “Rock” music will be used as an umbrella or generic term to cover the many variations of popular music that fall under its reach: Motown, Soul, R & B, Disco, Acid Rock, Death Metal, Thrash Metal, Punk Rock, Indy Rock, Grunge, etcetera, etcetera. As there are numerous artists and performers who have contributed to Rock music, this survey will focus on a selected group who have significantly changed, or illustrate the change in Rock music. This course will examine some of the pinnacle recordings, repertoire, artists, concerts, performances, and events to provide insight and meaning as to “how” and “what” this music was changing within pop culture in a historical and social context. By examining different works of Rock music, we can hope to extrapolate broader meaning and understanding of these events in an overarching sense relative to recent history. This course will also examine how Rock music has functioned as a vehicle for commentary on everything from sex to religion to politics and how this music continues to be a relevant and ever changing vehicle in the present day. Satisfies: Bacc Core - Literature and the Arts

PH 221H  Recitation for Physics 211

CRN: 52652  Section 001  REC  R 1100 - 1150  1 UHC Credit

Instructor(s): David McIntyre

Honors recitation reserved for UHC students enrolled in lecture/lab sections of PH 211. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Lecture, Lab, and Recitation combined, total 5 OSU credits. COREQ: PH 211. Satisfies: Bacc Core - Physical Sciences

PH 223H  Recitation for Physics 213

CRN: 53829  Section 001  REC  T 1100 - 1150  1 UHC Credit

Instructor(s): Tom Giebultowicz

Honors recitation reserved for UHC students enrolled in lecture/lab sections of PH 213. One-hour weekly session for the development of problem-solving skills in calculus-based general physics. Lecture, Lab, and Recitation combined, total 5 OSU credits. COREQ: PH 213. Satisfies: Bacc Core - Physical Sciences

PH 407H  The Physics and Philosophy of Time

CRN: 60330  Section 001  SEM  F 1400 - 1450  1 UHC Credit

Instructor(s): Albert W. Stetz

Time is of fundamental importance in physics and it also rules our lives, but it's difficult to put one's finger on exactly what time is. Nevertheless, physics has some interesting things to say. For example, according to thermodynamics, everything should run down and fall apart, but the universe has evolved from a state of perfect simplicity to the staggeringly complex structures that are ourselves. The fundamental laws of physics work just as well with time running backwards or forwards, but there is an infinitesimal violation of this rule without which no matter could exist. And finally, in some regions of the universe, time and space are so inextricably intertwined that what we call space and what we call time is arbitrary. These issues and others will be explored in a general, i.e. non-mathematical way by reading a selection of books and articles about time written for a general audience. Students will be asked to prepare brief written reports on their reading and suggest questions for classroom discussion. Satisfies: UHC Colloquia
PHL 444H  Biomedical Ethics
CRN: 60331  Section 001  LEC  MW 1200 - 1340 4 UHC Credits

Instructor(s): Jonathan Kaplan
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 decisions in medicine. Satisfies: Bacc Core - Science, Technology and Society

TOX 435H  Genes and Chemicals in Agriculture: Value and Risk
CRN: 54303  Section 001  LEC  T 0900 - 0950 & 1600 - 1650 3 UHC Credits
R 0900 - 0950

Instructor(s): Steven Strauss & Dave Stone
See BI 435H for course description. Crosslisted with BI 435H and FES 435H. Satisfies: Bacc Core - Science, Technology and Society

WGSS 223H  Women: Self and Society
CRN: 60332  Section 001  LEC  MWF 1300 - 1350 3 UHC Credits

Instructor(s): Liddy Detar
Multidisciplinary introduction to women, gender, and sexuality studies. Focuses on the lives and status of women in society and explores ways institutions such as family, work, media, law and religion affect different groups of women. Explores issues of gender, race, class, age, sexual orientation, size and ability. Satisfies: Bacc Core - DPD or Social Processes and Institutions

WGSS 340H  Gender and Science
CRN: 60333  Section 001  LEC  TR 1400 - 1520 3 UHC Credits

Instructor(s): Kryn Freehling-Burton
Analyzes the relationship between society and science by explaining technology and science as gendered practices and bodies of knowledge. Focuses on the ways the making of women and men affect the making of science and explores the roles of women in scientific pursuits. Satisfies: Bacc Core - Science, Technology and Society

Z499H  Monster Biology
CRN: 60334  Section 001  LEC  TR 1600 - 1720 3 UHC Credits

Instructor(s): Douglas Warrick
Scientists are in the business of explaining what exists and how things work - that is, “why things are” - and it is that perspective students routinely encounter in the classroom. An alternative approach is to ask “why things aren’t,” and the human mind has produced a virtual universe of things of which to ask that question. From vampires to Godzilla, students will use biological and physical laws to critically and rigorously assess monsters from literature, television and film, and ask of them, "Why is there no such thing under my bed, or anywhere else?" Prereqs: Biology 21x series or Physics 20x or 21x or Junior standing recommended. Satisfies: UHC Elective