

ANTH 313H Peoples of the World: Latin America

CRN: 59649 Section 001 LEC TR 1200-1320 3 HC Credit(s)

Instructor(s): Fina Carpena-Mendez

Survey of peoples around the world. Early settlement, cultural history, ecological adaptations, population, family and gender roles, religious ideology, political and economic systems, modern social changes, and contemporary issues pertaining to indigenous peoples in culturally distinct regions of the world. Emphasis is placed on dispelling stereotypic images, both past and present. **Satisfies: Bacc Core - Cultural Diversity**

BA 260H Introduction to Entrepreneurship

CRN: 59651 Section 001 LEC TR 1200-1350 4 HC Credit(s)

Instructor(s): John E Turner

Topics include evaluating entrepreneurial capabilities, creativity, business plan creation, opportunity assessment and feasibility analysis, business implementation, new product introduction, and seeking funds. **Satisfies: HC Elective**

BB 407H Protein Portraits

CRN: 60717 Section 001 SEM MW 1100 – 1150 2 HC Credit(s)

Instructor(s): Phil McFadden & Andy Karplus

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: HC Colloquia**

BI 213H Principles of Biology

CRN: 53533 Section 001 LEC MWF 1300-1350 & GRP MID M 2000-2120 4 HC Credit(s)

AND

CRN: 53534 Section 010 LAB M 1400-1650 I. Rajagopal

OR

CRN: 53771 Section 020 LAB R 800-1050 N. Kirk

Instructor(s): Nathan Kirk & Indira Rajagopal

Genetics, evolution, natural selection, and ecology. PREREQS: (CH121 OR CH201 OR CH221 OR CH 224H) OR (CH231/231H and (CH261/261H OR CH271)) For life science majors and pre-professional students. **Course Fee \$30.00**
Satisfies: Bacc Core - Biological Sciences

BI 415H Biological Sciences Thesis

CRN: 59650 Section 001 SEM R 1600-1650

1 HC Credit(s)

Instructor(s): Eric Hill & Barbara Taylor

This writing intensive course uses writing to learn the subject content. Students will hone critical thinking and technical writing skills necessary to create compelling and well-documented arguments in support of an original honors thesis. It provides additional support for students in the thesis process, guiding them in learning more about writing in the discipline as they research, draft, and revise the thesis. The successful completion of BI/Z 414H & BI/Z 415H in Spring satisfies WIC. PREREQS: B 414H or Z 414H. Crosslisted with Z 415H **Satisfies: Thesis/Research/ Projects**

CH 233H Honors General Chemistry**CHOOSE ONE LECTURE AND ONE OF THE CORRESPONDING RECITATION SECTIONS**

CRN: 56411 Section 001 LEC MWF 1100-1150

5 HC Credit(s)

AND

CRN: 56412 Section 010 REC T 1100-1150

K. Gable

OR

CRN: 56513 Section 011 REC R 1400-1450

K. Almlie

K. Almlie

CHOOSE ONE OF THE CH 263H LABORATORY SECTIONS

CRN: 56410 Section 010 LAB T 1200-1450

M. Burand

OR

CRN: 57299 Section 011 LAB R 1500-1750

M. Burand

Instructor(s): Kevin Gable, Michael Burand, and Kyle Almlie

Third course in General Chemistry sequence for Honors College students with one year of high school chemistry. This sequence examines the characteristics of molecular and atomic behavior and the way in which these influence chemical properties and reactions PREREQ: CH232/232H OR CH 222 or CH 225/225H and (CH 262/262H OR CH 272H). **Course Fee: \$30.00 Satisfies: Bacc Core - Physical Sciences**

CH 463H Experimental Chemistry II

CRN: 52463 Section 001 LEC W 1300-1350

3 HC Credit(s)

AND

CRN: 52464 Section 010 LAB W 1400-1650 & F 1300-1650

Instructor(s): Christine Pastorek

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. **Non-Refundable Course Fee: \$44.00. Satisfies: HC Elective**

FR 270H France Today: Cultures Within and Beyond Its Borders

CRN: 59652 Section 001 LEC TR 1000-1120 3 HC Credit(s)

Instructor(s): Joseph Krause

An exploratory study of French culture and society since 1945. Topics include: decolonization, immigration, Francophone intellectual currents, France's European vocation, and social conflict today. Conducted in English. **Satisfies: Bacc Core - Western Culture**

GEO 335H Intro to Water Science and Policy

CRN: 55474 Section 001 LEC TR 1400-1520 3 HC Credit(s)

Instructor(s): Aaron Wolf & Melissa McCracken

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**

HC 199 Honors Writing

CRN: 51603 Section 001 LEC MW 800-920 3 HC Credit(s)

OR

CRN: 52526 Section 002 LEC TR 800-920

OR

CRN: 55473 Section 003 LEC TR 1000-1120

Instructor(s): Eric Hill

Becoming a critical reader and thinker promotes clear writing and verbal communication. You will hone your skills in a discussion/debate format, along with frequent in-class writing assignments and presentations. You will also further develop your abilities to be a critical reader. We will be examining texts from many disciplines and on a variety of topics; you will also bring in examples for discussion. The research paper, which includes both formal documents and informal writing, will focus on an ethical/controversial issue or current research within your discipline; this will include field and library research. Recommended Pre-Req: WR 121. **Satisfies: Bacc Core - Writing II**

HC 299 Farside Entomology

CRN: 54236 Section 001 SEM W 1800-1950 2 HC Credit(s)

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: HC Colloquia**

HC 299 Art of Healing

CRN: 56415 Section 002 SEM T 1800 -1950

2 HC Credit(s)

Instructor(s): Courtney Campbell

The medical or the health humanities are comprised of several fields or disciplines – ethics, history, literature, philosophy, religious studies – that provide insight into the practice of medicine, patient experience of illness, and the fields of health care generally. Class sessions will use an interactive seminar format, with discussion of the readings, in-class writing, and short student papers that will highlight important themes in the medical humanities, including the concepts of professionalism and professional relationships; healing, disease, illness and suffering; the skills of the ideal physician; the experience of being a patient; and the role of story as the medium through which the physician-patient relationship is experienced. Guest speakers will provide insights on cultural, historical, professional, and religious expressions of the medical and health humanities. This Honors colloquium also serves as the colloquium requirement for the Certificate in Medical Humanities. **Satisfies: HC Colloquia**

HC 299 Building Homes and Hope: International Service Learning

CRN: 57302 Section 004 SEM W 1500-1550

1 HC Credit(s)

Instructor(s): David C Kovac

This course is designed to engage students in exploring the impact, perspectives, challenges, and complexities of international non-profit and service work, paying particular attention to the effects of sub-standard housing in the destination country/community of our Summer Service Trip & Field Study. The spring course highlights group development and team building for international project success. The course series is open to any student interested in learning about international service work. **Satisfies: HC Colloquia**

HC 407 Shakespeare via Ashland

CRN: 51604 Section 001 SEM T 1800-1850

1 HC Credit(s)

Required Field Trip 5/20/16-5/22/16

Instructor(s): Eric Hill

The course requires attendance at an organizational meeting (5/17), a three day field trip (5/20/16-5/22/16), and one discussion meeting (5/31). 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: **Departing Friday, May 20th, at 12:30pm**; arrive in Ashland to check into the Best Western Windsor Inn and leave to see first play. Saturday will consist of two shows. **Return Departure Sunday May 22, 2016 at 10:00am** (following breakfast).

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: HC Colloquia**

HC 407 STEM Outreach as Service Learning - Community Outreach

CRN: 56438 Section 002 SEM R 1800-1950

2 HC Credit(s)

Instructor(s): Skip Rochefort & Margie Haak

This course will focus on doing. Students will learn about the delivery of STEM content in typical outreach environments. And they will learn by doing, as they will be required to participate in five K-12 Outreach events. These 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: HC Colloquia

HC 407 Adapting to Global Interdependence

CRN: 56518 Section 003 SEM W 1000-1150

2 HC Credit(s)

Instructor(s): Richard L. Clinton

We begin with a discussion of the various processes that have produced an ever higher degree of global interdependence. We note that these processes were identified and warned about repeatedly for at least half a century, yet governments and societies as presently constituted have proven largely incapable of effectively dealing with them. We explore the multiple causes for this incapacity and then delve deeply into the most promising approach so far devised: the steady-state economy. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Plastics for Poets

CRN: 55513 Section 004 SEM R 1600-1750

2 HC Credit(s)

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: HC Colloquia**

HC 407 Addiction in Today's World

CRN: 55514 Section 005 SEM T 1600-1750

2 HC Credit(s)

Instructor(s): Dr. 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, over or under achieving, and over or under eating. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Lives and Stories: Explorations in Biography & Autobiography

CRN: 56416 Section 006 SEM R 1000-1150

2 HC Credit(s)

Instructor(s): Thomas W 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: HC Colloquia**

HC 407 Principles of Comparative Planetology

CRN: 56417 Section 007 SEM TR 1000-1050

2 HC Credit(s)

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. HC 407 Principles of Comparative Planetology 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: HC Colloquia**

HC 407 Science, Aesthetics, and the Invention of Altered States

CRN: 56418 Section 008 SEM T 1200-1350

2 HC Credit(s)

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, 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. Class discussions will probe ideas from readings by such literary authors as Thomas de Quincey, Charles Baudelaire, and Mabel Dodge Luhan; psychologists such as Sigmund Freud and William James; as well as cultural theorists such as David Lenson and historians such as Virginia Berridge. Throughout the term, students will have opportunities to focus more deeply on related topics of their choosing in 2 short research projects and one presentation, which will be used to guide the emphasis of class discussion. **Satisfies: HC Colloquia**

HC 407 Exploring History Through the Graphic Novel

CRN: 59657 Section 014 SEM M 1800-1950

2 HC Credit(s)

Instructor(s): Andrea Marks

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

HC 407 Experimental Fluid Dynamics in Nature

CRN: 59658 Section 015 SEM MW 900-950

2 HC Credit(s)

Instructor(s): James Liburdy

This course is an exploration of how nature adapts and thrives within its moving fluid environment. Examples of both plant and animal lives will be discussed in terms of how their response to fluid motion, fluid forces, and the changing fluid environment is used to aid propulsion, obtaining nutrition, or providing shelter. These responses will be interpreted based on classical flow analysis dealing with conservation relationships of mass and momentum. Students will develop physical models (using 3D printing) to demonstrate basic elements of species/fluid interactions and test and evaluate these in wind tunnel experiments. Students will gain insight to help explain fluid/species interactions through their experimental results, linking them to laws of fluid motion. Students are welcome that don't necessarily have a technical or mathematical background but are willing to use some basic laws of nature to explain real phenomena. Students are not required to derive these basic equations, but will be asked to develop an understanding of how they help explain real phenomena and behavior. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Exploring the Magic of Engineering Physics via Hands-On Service Learning

CRN: 59679 Section 016 SEM M 1400-1550

2 HC Credit(s)

Instructor(s): Travis W Walker

Hands-on development of modules targeted at demonstrating the wonders of the STEM fields to a K-20 audience. Students will design physics-based modules with the goal to increase the interest in STEM among K-20 students at Oregon State University and in the Willamette Valley area of Oregon. A layered approach that uses service learning to bring the excitement of physics from the university research laboratory to the primary and secondary school classroom will be used. Demonstration experiments will be showcased at one of the many outreach activities that are offered through the Precollege Programs at Oregon State University. These demonstrations will be offered for incorporation into undergraduate and graduate courses as supplemental learning or as laboratory exercises. **Graded: P/N. Satisfies: HC Colloquia**

HC 407 Blue Mind: How Oceans Enchant, Inspire, Unite, and Heal

CRN: 60496 Section 017 SEM F 1000-1150

2 HC Credit(s)

Instructor(s): Carmel Finley & Kay Sagmiller

Water transports us emotionally, behaviorally, psychologically, and physically. It attracts us, inspires us, sustains us. This course will draw upon research, storytelling, and community engagement to explore how being in, on, under or viewing waters makes humans happier, healthier, more creative and better at what we do. The class will draw on *The Blue Mind*, by Wallace J. Nichols. A team of faculty has collaboratively designed this course specifically to inspire transformational experiences for all participants: students, teachers, and community members. This "integrative" course will invite students to view oceans from three perspectives: the arts and humanities, social sciences, and the natural sciences. Students will be asked to join in the analysis of this course design by sharing their thoughts and opinions throughout the course. Participation in the study and analysis is voluntary; students are not required to allow their work and opinions to be part of this formalized study. **Graded: P/N. Satisfies: HC Colloquia**

HC 408 Workshop THESIS: LEARN

CRN: 54833 Section 003 WS T 1700-1850

1 HC Credit(s)

Meets Week 3, 5, & 8 Only

Instructor(s): Indira Rajagopal, Eric Hill, & LeeAnn Baker

In this course you will learn to lay the groundwork for a successful thesis experience. We will focus on the value of the thesis, what it takes to successfully complete a thesis (e.g. identify a mentor, identify a topic, level of effort required, etc.), and we'll hear from students, and faculty with experience in the thesis process. You will complete all of the tasks related to stage 2 of the TheSIS process by: 1) Summarizing an interview/conversation with a faculty member who could serve as a mentor, 2) Summarizing an interview/conversation with an Honors student currently working on their thesis, and 3) Exploring a series of resources and opportunities available to successfully complete the thesis. The Undertake module of the TheSIS is then designed to move students through the steps required to complete a signed thesis proposal and pose some additional questions relevant to this stage of their experience. Course will be team taught. Meets Weeks 3, 5, & 8 Only (4/12, 4/26, & 5/17). **Graded: P/N. Satisfies: Thesis/Research/ Projects**

HC 408 Workshop THESIS: UNDERTAKE

CRN: 56421 Section 002 WS R 1600-1750

1 HC Credit(s)

Meets Weeks 3 & 6 Only

Instructor(s): Michael Burgett

This course will guide students through the third step of the Thesis Success in Stages (TheSIS) process, UNDERTAKE. We will cover the process of developing a thesis topic, finding a thesis mentor, creating a thesis statement, writing a thesis proposal, and developing a research plan. The course will require participants to turn in a completed thesis proposal signed by a thesis mentor, the end goal of the UNDERTAKE stage and a required component of the thesis process in the University Honors College. PREREQ: For full details on the TheSIS stages please see the TheSIS website: honors.oregonstate.edu/thesis. Meets Weeks 3 & 6 Only (4/14 & 5/5). **Graded: P/N. Satisfies: Thesis/Research/ Projects**

HC 408 Workshop THESIS: GRADUATE

CRN: 58643 Section 001 WS F 1400-1550 1 HC Credit(s)
Meets Weeks 1, 3, & 5 Only

Instructor(s): Tara Williams

This course will guide students through the final stage of the Thesis Success in Stages (TheSIS) process, GRADUATE. The goals of Thesis: GRADUATE are the completion of a thesis draft, the preparation for the thesis defense and the design of a thesis poster. Students need to have completed their research and be prepared to begin writing the thesis draft. This course meets just three times throughout the term. PREREQ: Prior completion of TheSIS stages - START, LEARN, and UNDERTAKE as outlined at honors.oregonstate.edu/thesis. Meets Weeks 1, 3, & 5 Only (4/1, 4/15, & 4/29). **Graded: P/N. Satisfies: Thesis/Research/ Projects**

HC 409 Conversants

CRN: 51586 Section 007 PRAC TBD 1 HC Credit(s)

Instructor(s): Leanna Dillon

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

HC 409 Civic Engagement

CRN: 57615 Section 008 PRAC TBD 1 HC Credit(s)

Instructor(s): Leanna Dillon

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

HC 499 Genes and Chemicals in Agriculture: Value and Risk – Exploration, Discussion and Active Learning

CRN: 60148 Section 001 LEC T 1600-1650 Weeks 1,2,4,6,7,9,10 1 HC Credit(s)

Required Field Trips 4-7pm Weeks 3, 5, & 8

Instructor(s): Steven Strauss & Dave Stone

The purpose of this course is to provide honors students with an opportunity for in depth analysis of food and agricultural biotechnology/toxicology developments. This includes lectures, discussions of literature, field trips to local farms, exposure to laboratory research, and an experiential learning project. Students will be asked to write one term paper and present results from a survey or other active learning project to the class. The course material builds upon the content provided in BI/TOX/FES 435, which is a co- or prerequisite. The class will also require three field trips April 12, April 26, May 17 that will run from Tuesday 1600-1850. See an Honors College advisor to register for this course. **Course Fee: \$18.00 Satisfies: HC Elective**

HST 105H World History II: Middle and Early Modern Ages

CRN: 60168 Section 001 LEC TR 1400-1520 3 HC Credit(s)

Instructor(s): Rena Lauer

This course investigates contact and trade across Afro-Eurasia and the New World, particularly by looking at the things and people who moved across these vast spaces of the world between 600 and 1600 CE. During much of this period, Europe was still recovering from the fall of the Roman Empire, developing its knightly ethos, and growing and refining its Christian identity (to the detriment of others). But what about the rest of the world? In this period, Islam was born and became a dominant world force which spread scientific ideas along with its doctrine; the Silk Road carried Buddhism and luxury goods across Eurasia; India and Africa encountered Islam and Christianity through traders and merchants eager for its resources; and Europe “discovered” the New World, along with its new goods, food, and people. This course incorporates in-class primary source analysis alongside lecture and discussion of material culture. **Satisfies: Bacc Core - Cultural Diversity or Western Culture**

MTH 254H Vector Calculus I

CRN: 52673 Section 001 LEC MWF 1600-1720 4 HC Credit(s)

Instructor(s): Radu Dascaluic

Vectors and geometry: coordinate systems, scalar product. Real-Valued Functions of Several Variables: partial and directional derivatives, gradient, extreme values. Multiple Integrals: change of coordinates, applications. Vector valued-functions: arc length and curvature of space curves, normal and tangential components of acceleration. **PREREQ: MTH 252/252H. Course Fee \$10.00 Satisfies: HC Elective**

MTH 256H Applied Differential Equations

CRN: 53999 Section 001 LEC MWF 1300-1350 4 HC Credit(s)

AND

CRN: 58646 Section 010 REC W 1200-1250

Instructor(s): Clayton Petsche

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 or equivalent. Satisfies: HC Elective**

MTH 306H Matrix and Power Series Methods

CRN: 57300 Section 001 LEC MWF 1400-1450 4 HC Credit(s)
AND
CRN: 58647 Section 010 REC W 1500-1500

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

MUS 102H Music Appreciation II: A History of Rock and Roll

CRN: 55602 Section 001 LEC TR 830-950 3 HC Credit(s)

Instructor(s): Ryan R. 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, religion, 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: 52465 Section 001 REC R 1100-1150 1 HC Credit(s)

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: 53536 Section 001 REC T 1100-1150 1 HC Credit(s)

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 Physics and Philosophy of Time

CRN: 58648 Section 001 SEM F 1400-1450

1 HC Credit(s)

Instructor(s): Albert W. Stetz

Students will explore the physics and philosophy of time through weekly reading assignments, brief essays and classroom discussion. The course is non-technical and intended for all students regardless of major. **Satisfies: HC Colloquia**

PHL 160H Quests for Meaning: World Religions

CRN: 59659 Section 001 LEC MW 1400-1540

4 HC Credit(s)

Instructor(s): Stuart Sarbacker

This course is an introduction to the phenomenon of religion and its many facets. We will begin the course with a discussion of concepts and definitions of religion through a conversation in which our native understandings of religion are brought together with various traditional and academic understandings. This discussion will include an examination of the history of the term "religion" and the ways in which the meaning of the term has shifted, and continues to shift, over time. Following the contemporary work of Ninian Smart, we will look at seven key "dimensions" of religion: narrative, doctrine, ritual, experience, ethics, society, and material. We will also explore different approaches, including literary, historical, and philosophical methods, used by scholars to understand different aspects of the phenomenon of religion. These dimensions and methods will then be applied in an examination of a range of religious traditions, including indigenous traditions, Hinduism, Buddhism, Jainism, Sikhism, Judaism, Christianity, and Islam. Our in-class discussions will be complemented with an off-campus field research project that will involve the application of the dimensional analysis of religions to a field experience of a living religious tradition. Readings from the course will focus on Ninian Smart's dimensional analysis and on the data of the world's religions as represented in Fisher's Living Religions. We will further build upon these sources and issues with supplementary reading and writing assignments and presentations of audio and visual material. The instructor will provide guidance on additional readings upon request. Crosslisted with REL 160H. **Satisfies: Bacc Core - Cultural Diversity**

PHL 444H Biomedical Ethics

CRN: 58649 Section 001 LEC MW 1000-1140

4 HC Credit(s)

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 decision in medicine. Crosslisted with REL 444H. **Satisfies: Bacc Core - Science, Technology and Society**

PSY 360H Social Psychology

CRN: 59660 Section 001 LEC MW 1200-1350 4 HC Credit(s)

Instructor(s): John A Edwards

The study of behavior and experience in a social context. Topics include person perception, attribution, attraction and love, attitudes and attitude change, aggression and social influence and group dynamics. Applications of social psychological principles to other fields, e.g., law, health care, etc. PREREQS: PSY 201 & PSY 202. **Satisfies: HC Elective**

REL 160H Quests for Meaning: World Religions

CRN: 60169 Section 001 LEC MW 1400-1540 4 HC Credit(s)

Instructor(s): Stuart Sarbacker

Crosslisted with PHL 160H. See PHL 160H for course information. **Satisfies: Bacc Core - Cultural Diversity**

REL 444H Biomedical Ethics

CRN: 60725 Section 001 LEC MW 1000-1140 4 HC Credit(s)

Instructor(s): Jonathan Kaplan

Crosslisted with PHL 444H. See PHL 444H for course details. **Satisfies: Bacc Core - Science, Technology and Society**

SOC 444H Inside Out: Crime, Communities, Prisons, and Prevention

CRN: 59661 Section 001 LEC M 1700-2050 4 HC Credit(s)

Instructor(s): Michelle Inderbitzin

As part of the Inside-Out Prison Exchange Program, OSU Honors students will meet once a week for ten weeks with "inside" students in a state correctional facility in Salem. Together we will explore the impact of crime and mass incarceration on the larger community, with particular focus on those neighborhoods and groups most affected by concentrated incarceration, poverty, and other social problems. Along with studying underlying causes of crime and delinquency, we will examine prevention programs and strategies, looking at efforts being made to intervene and improve at-risk children's life chances. Students will work together to design and implement service learning projects to benefit others. Enrollment is by Instructor's permission and requires an in-person meeting and the ability to pass a criminal background check. For information, please contact: Michelle Inderbitzin, Ph.D.

mli@oregonstate.edu. PREREQ: SOC 204, PREREQ waived for honors students. **Satisfies: HC Elective**

WGSS 325H Disney: Gender, Race, Empire

CRN: 59662 Section 001 LEC M 1600-1850 3 HC Credit(s)

Instructor(s): Patti Duncan

Explores constructions of gender, race, class, sexuality, and nation in the animated films of Walt Disney; introduces concepts in film theory and criticism, and develops analyses of the politics of representation. **Satisfies: Bacc Core - Difference, Power, and Discrimination**

WGSS 340H Gender and Science

CRN: 58651 Section 001 LEC TR 1600-1720

3 HC Credit(s)

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**

Z 415H Biological Sciences Thesis

CRN: 59663 Section 001 SEM R 1600-1650

1 HC Credit(s)

Instructor(s): Eric Hill & Barbara Taylor

Crosslisted with BI 415H. See BI 415H for course information. **Satisfies: Thesis/Research/ Projects**