

BA 390H	MARKETING			4 UHC credits
CRN 36069	Section 001	MW 0800 - 0950	BEXL 328	McAlexander, James

Consumer and industrial markets, and activities and enterprises involved in distributing products to those markets. Objective is to develop an understanding of distribution processes, marketing problems, and marketing principles. **PREREQ:** ECON 201 and junior standing. *This section is open to students that have at minimum sophomore standing and who have completed the ECON 201 prerequisite.* Satisfies **UHC Elective**.

BA 465H	SYSTEMS THINKING AND PRACTICE			4 UHC credits
CRN 36188	Section 001	TR 1000 - 1150	STAG 237	King, Jonathan

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 **BCC, Contemporary Global Issues**.

BI 212H	PRINCIPLES OF BIOLOGY			2 UHC credits
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CRN 34247	Lecture Sec. 001	MWF 1000 – 1050	MLM 026	Harwell, Amy
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OR

CRN 34246	Lecture Sec. 002	MWF 1300 – 1350	MLM 026	Harwell, Amy
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SIGN UP FOR ONE OF THE LAB/401H PAIRS BELOW

CRN 34248	BI 212H Lab	Sec. 010	M 1400 – 1650	WNGR 228	Rajagopal, Indira
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AND

CRN 33583	BI 401H Add'l Research Credit	Sec. 001	M 1400 – 1650	WNGR 228	Rajagopal, Indira
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CRN 36210	BI 212H, Genomics Lab	Sec. 020	T 900 - 1150	CORD 3003	Denver, Dee/ Taylor, Barbara
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AND

CRN 36211	BI 401H Add'l Research Credit	Sec. 002	T 900 - 1150	CORD 3003	Denver, Dee/ Taylor, Barbara
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(Limited to First-year and Sophomore students, by application only)

Cell biology, organ systems, plant and animal biology. Lecture common with non-Honors. Lab is reserved for UHC students enrolled in lecture/lab sections of BI 212. The BI 401H credit is an additional credit for research done during the lab section. Lecture, lab, and additional lab research credit (BI 401H) total 5 OSU credits. Additional \$30 lab fee. **PREREQ/COREQ:** General Chemistry. Satisfies **BCC, Biological Sciences**.

Genomics Lab, Section 020 and BI 401H Add'l lab, Section 002. This laboratory is part of an innovative and inquiry-based program to find new viruses of bacteria and enter their newly discovered viral genome into a national database of sequences. *Contact the Biology department for registration, which is by application only.*

BI 370H **ECOLOGY** 3 UHC credits

CRN 38419 Section 001 MWF 1000 – 1050 STAG 233 Lajtha, Kate

This course focuses on the abundance and distribution of organisms, and the relations of organisms to their organic and inorganic environment. We will discuss evolution and ecology, population biology, conservation biology and pest control, community structure and biodiversity, ecosystem nutrient cycles, and environmental chemistry. The class meets three times a week for lecture, and once every few weeks for a field trip, lab demonstration, project or discussion. Questions, comments, arguments, and other constructive interruptions are welcomed and critically important to this class! Because this is a small class, the material that we cover will depend a great deal on student interest, so speak up – I want you to argue! Ask questions at any time; if there is material that is confusing to you, it is probably confusing to others in the class as well, and they will welcome your willingness to ask.

During the winter months, our extra lab/discussion session will focus on discussion of the primary literature and current issues in ecology. We will take a one-day field trip to the H.J. Andrews forest to see the Long Term Ecological Research site, the EPA Terracosm facility, a managed forestry operation, as well as the research sites of several OSU faculty. Field trip will be Saturday, February 5th with a back-up rain/snow date of March 5th (keep both dates open). Non-refundable \$10.00 Field Trip fee. **PREREQS:** (BI 211 or BI 211H) and (BI 212 or BI 212H) and (BI 213 or BI 213H) and at least a start in General Chemistry.

BOT 499H **POETRY AND LANDSCAPE** 1 UHC credit

CRN 38327 Section 001 T 1500 – 1650 CORD 4083 Zobel, Don

5 week course: 1/4/10 to 2/5/10. Includes a 4-hour field trip

Some poets are keen observers of nature. Lovers of nature and scientists can learn from reading their poetry, as well as see nature in new ways. To appreciate such poetry fully, a reader needs to know the objects and processes the poems describe, in concept and detail. In this class, we will seek to educate ourselves about the authors' subjects sufficiently to appreciate their presentation of nature. We will read poetry, both outside and during class, about the natural landscape, plants and animals, and ecological phenomena, especially in the northwestern US. We will identify and discuss the natural phenomena that are represented by the poetry, and the insights into nature that the poets provide. We will select some phenomena for detailed study and discussion. We will visit and discuss the history and properties of a Willamette Valley landscape, and identify in it the types of phenomena represented by what we have read, which we could use in our writing about the place we live. We will write about what we see and read.

Students will read poetry of others, present for the class some scientific phenomenon associated with what they read, take one Saturday half-day field trip, write about what they saw, and read it for the class. Graded P/N. Field Trip Fee: \$5.00 Satisfies **UHC Colloquia**.

CH 225H **HONORS GENERAL CHEMISTRY** 5 UHC credits

CRN 34199 Lecture Section 001 MWF 1200 - 1250 GLSN 100 Lerner, Michael

AND

CRN 34200 Recitation Section 010 T 1400 – 1450 STAG 208 Haak, Margaret
Lab Section 010 T 1500 – 1750 GBAD 209 Haak, Margaret

OR

CRN 34201 Recitation Section 011 R 1400 – 1450 STAG 208 Haak, Margaret
Lab Section 011 R 1500 – 1750 GBAD 209 Haak, Margaret

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. Additional \$30 lab fee. **PREREQ:** CH 224H or CH 221. Satisfies **BCC, Physical Science**.

ENGR 350H	SUSTAINABLE ENGINEERING			3 UHC credits
CRN 38835	Section 001	MW 1400 – 1520	GILK 115	Williamson, Kenneth

Examination of technological innovations and alternatives required to maintain quality of life and environmental sustainability. Introduction to engineers and scientists to the search for an industrial system that is compatible with sustainability goals. Includes introduction to life cycle assessment, environmental auditing, design for the environment (DfE), environmental management systems (EMS), full cost accounting (FCA), and pollution prevention (P2). *Open to students from all disciplines.* Satisfies **BCC, Science, Technology & Society.**

FOR 399H	FOREST REGENERATION			2 UHC credits
CRN 38330	Section 001	MW 1000 - 1050	PVY 108	Rose, Robin

For 5000 years humans have been expert at cutting forests down for wood, mining and agriculture, but less adept at putting forests back. The world loses around 9.8 million hectares of forest every year and deforestation is one of the great silent scourges of the third world. Forest regeneration is part of the silviculture branch in forestry. It combines multiple perspectives from botany, ecology, soil science, plant physiology, statistics, law, and more. This course includes exposure to forest regeneration and resource management concepts that apply in Oregon and around the world. We will all try to leave our resource agendas at the door. Satisfies **UHC Colloquia.**

HC 199	HONORS WRITING - MULTIDISCIPLINARY			3 UHC credits
CRN 34955	Section 001	MW 0800 - 0920	GBAD 103	Hill, Eric

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.* PREREQ: WR 121, Satisfies **BCC, Writing II.**

HC 199	HONORS WRITING - SCIENCE			3 UHC credits
CRN 31804	Section 002	TR 0800 - 0920	STAG 233	Hill, Eric

This course is designed to help you develop strategies and skills to communicate scientific research and information. In this class you will assess the various modes of written communication, practicing them through in-class exercises and formal assignments. You will address key components of scientific and technical communication:

- Working collaboratively,
- Connecting with specific and multiple audiences,
- Maintaining an ethical stance,
- Doing research,
- Evaluating and reporting information,
- Writing in a variety of forms,
- Critically analyzing articles in scientific fields,
- Preparing an oral presentation and final research project.

Through individual and collaborative writing assignments, you will develop a strategy for effective written and oral communication. *Required for Honors Scholar track.* PREREQ: WR 121, Satisfies **BCC, Writing II.**

HC 407 THE POWER OF CONTEXT 2 UHC credits

CRN 38331 Section 001 T 1200 - 1350 STAG 237 King, Jonathan
Bella, David

A major focus is on "seeking first to understand." Specifically, sketching behavioral loops requires listening to others' reasons for a particular behavior. The case studies and research focus on patterns of interactions which, by definition, are "integrative." Students participate in understanding of, proposed modifications of, suggested directions of professors' ongoing research. They also conduct and share their own research into systemic problems of their own choosing. Satisfies **UHC Colloquia**.

HC 407 GOD, PAIN AND THE PROBLEM OF EVIL: AN INTRO TO C.S. LEWIS 1 UHC credit

CRN 38374 Section 003 M 1500 - 1550 STAG 222 Ferngren, Gary

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 408 INTRODUCTION TO THESIS - ENGINEERING 1 UHC credit

CRN 38373 Section 002 W 1800 - 1950 GLSN 200 Arp, Dan/Hill, Eric
Meets weeks 4, 6, 8 only Ahern, Kevin/ Rajogopal, Indira

This course will introduce students to thesis expectations for the Honors Thesis, which is the capstone academic experience in the UHC. This course is a mandatory component of the Honors Thesis and should be taken no later than the junior year. Graded P/N. Satisfies **UHC Intro to Thesis**.

HC 408 THESIS: LEARN 1 UHC credit

CRN 38375 Section 003 M 1700 - 1850 STAG 203 Arp, Dan/Hill, Eric
Meets weeks 4, 6, 8 only Ahern, Kevin/ Rajogopal, Indira

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 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. Satisfies **UHC Intro to Thesis**.

LEADERSHIP LEARNING COMMUNITIES

Students may earn up to 3 credits to count as UHC Electives.

Registration override given after approval of Learning Agreement

HC 409 PRAC/FORUM COORDINATOR 1 UHC credit

CRN 32175 Section 001

Duties include: Lead student groups interested in fostering student involvement either on campus or to the local community; carry out short-term community service projects; promote and recruit UHC students to be involved in projects; establish annual events involving a wide-range of skills and interests; serve as a student advisor to an OSU student group. Graded P/N. Satisfies **UHC Elective**.

HC 409 **PRAC/LEADERSHIP AND MENTORING** 1 UHC credit

CRN 32176 Section 002

This is an opportunity for students with advanced understanding to gain experience in group dynamics and management skills under the direction of a faculty member within their major. Duties vary by discipline. For example, the responsibilities may include: Assisting in course development; mentoring undergraduate students; managing student work groups; assisting students in the laboratory; proctoring exams. Graded P/N. Satisfies **UHC Elective**.

HC 409 **PRAC/STUDENT LEARNING CENTER STAFF** 1 UHC credit

CRN 32177 Section 003

Duties include: Staff the Student Learning Center main desk three hours per week; oversee use of the computers, coaching basic computer skills of the UHC students, answering the phone and maintaining positive learning environment; assist main office with basic tasks of the Student Learning Center/Computer Lab. Graded P/N. Satisfies **UHC Elective**.

HC 409 **PRAC/THE CHRONICLE STAFF** 1 UHC credit

CRN 32178 Section 004

Duties include: Work with a student committee and the Program Staff, organizing, editing, printing and distributing the UHC newsletter, *The Chronicle*; contact and maintain business sponsors to help underwrite newsletter costs. Graded P/N. Satisfies **UHC Elective**.

HC 409 **PRAC/PATHWAY SCHOLAR MENTOR PROGRAM** 1 UHC credit

CRN 32179 Section 005

The Pathways Scholar Mentor Program provides an opportunity for honors students to help INTO Pathways students practice English conversation. 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 at the end of the term. Program information and application forms are available at <http://oregonstate.edu/dept/honors/pathways>. Students should meet with a UHC advisor to complete a Learning Agreement. Applications should be submitted to Robert Hinderliter with INTO in Heckert Lodge, who will schedule a 20 minute appointment prior to matching with a Pathway student. Graded P/N. Satisfies **UHC Elective**.

HST 386H **MODERN IRAN: REVOLUTION AND ITS AFTERMATH** 4 UHC credits

CRN 38416 Section 001 WF 1000 - 1150 MLM 215 Katz, Jonathan

The Iranian Revolution was one of seminal events of the 20th century, anticipating the development of militant Islamic movements elsewhere in the world. This course provides an in-depth introduction to the modern history of Iran with a focus on the cultural and political factors that culminated in the 1979 revolution. As background to the Iranian revolution, the course examines the Qajar Dynasty and the 1906 Constitutional Revolution, the reign of the Pahlavis, the Mosadegh era, and the oil boom years. Unique aspects of Iranian culture -- including the role of shi'ism and the shi'i clergy -- will receive special consideration as will the rule of Khomeini, the Iran-Iraq War, the challenges facing post-Khomeini Iran and the prospects for U.S.-Iran relations. Satisfies **BCC, Contemporary Global Issues**.

HST 399H	AFFIRMATIVE ACTION IN OBAMA'S AMERICA			2 UHC credits
CRN 37708	Section 001	F 1000 – 1150	STAG 237	Solberg, Rorie Chappell, Marisa

With the election of Barack Obama, questions regarding the necessity of various types of affirmative action programs are already circulating. After all, if an African-American can rise to the presidency, have we achieved equality, and if so, can we dismantle the preferential system? Similarly, with Hillary Clinton coming close to the nomination and Sarah Palin running for the office of Vice President, have we achieved gender equality as well? And, again, should we dismantle the preferential system of affirmative action? This course will examine affirmative action's origins and rationale, its constitutional foundations of affirmative action, and its varied implementation. With this foundation, students will engage with the political and legal debates surrounding this controversial policy. We will conclude by discussing and analyzing the continued relevance of affirmative action given recent historical firsts. Cross listed with PS 399H. Graded P/N. Satisfies **UHC Colloquia**.

HST 499H	MOZART, SCHUBERT, BEETHOVEN: HISTORY, CULTURE, AND POLITICS			2 UHC credits
CRN 38401	Section 001	W 1200 – 1350	STAG 237	Nye, Robert

Students will explore the political, social and cultural meanings expressed in the music of W. A. Mozart, Franz Schubert, and Ludwig Van Beethoven during the period 1780-1828. We will study the librettos and listen to the music from two of Mozart's operas, The Marriage of Figaro and The Magic Flute for the political and gender ideologies they expressed, read the poems to which Franz Schubert set some of his most beautiful lieder, and listen to two of Beethoven's symphonies for the musical themes that expressed the spirit of the age. A course reader will contain important historical and musicological materials for understanding the music and culture of this period, including ten article length essays and book chapters. Satisfies **UHC Colloquia**.

MB 299H	MICROBES IN THE MEDIA			1 UHC credit
CRN 38376	Lecture Section. 001	T 1200 – 1250	STAG 233	Bruslind, Linda

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 331H	INTRODUCTORY FLUID MECHANICS			4 UHC credits
CRN 38377	Section 001	TR 1000 - 1150	ROG 332	Liburdy, James

This course introduces the concepts and applications of fluid mechanics and dimensional analysis with an emphasis on fluid behavior, internal and external flows, analysis of engineering applications of incompressible pipe systems, and external aerodynamics. Fluid mechanics is the study of fluids, either liquid or gas, at rest or in motion. This course includes studying the manner in which objects behave in fluids, the manner in which fluids flow through ducts and around obstacles, and the interaction between two fluids. In order to analyze these effects conservation equations of mass, momentum, and energy are developed and applied to engineering situations. This honors section will be very "hands-on" with much time spent on problem solving in class coupled with a group project instead of a final exam. PREREQ (MTH 254 or MTH 254H) and (MTH 256 or MTH 256H) and (ENGR 212 or ENGR 212H) and (ENGR 311, ENGR 311H, ME 311, ME 311H, or NE 311). Satisfies **UHC Elective**.

MTH 251H	DIFFERENTIAL CALCULUS			4 UHC credits
CRN 38378	Section 001	MTWF 0900 - 0950	WNGR 201	Faridani, Adel

This is the first term of the calculus sequence for scientists, engineers, and others, including mathematics majors. The first two terms of the sequence, MTH 251 and MTH 252, focus on real-valued functions of a single real variable, including polynomial, rational, algebraic, trigonometric, exponential, and logarithmic functions. Differential calculus involves the study of rate of change in all its forms, including velocity, acceleration, population growth and other natural and physical phenomena. Differential calculus features the derivative, techniques of differentiation, and applications of the derivative, including optimization problems, the geometry of curves, and analysis of motion. This course emphasizes geometric reasoning not just computation. PREREQ: MTH 112. Satisfies **BCC, Mathematics**.

MTH 252H	INTEGRAL CALCULUS			4 UHC credits
CRN 34208	Section 001	MTWF 1100 - 1150	STAG 233	Bogley, William

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. Additional \$10.00 Fee. PREREQ: MTH 251 or MTH 251H. Satisfies **UHC Elective**.

MTH 255H	VECTOR CALCULUS II			4 UHC credits
CRN 38380	Lecture Section 001	MWF 0900 - 0950	STAG 233	Dray, Tevian
AND				
CRN 38381	Recitation Sec 010	W 0800 - 0850	STAG 233	Dray, Tevian

Introduction to vector analysis: line integrals and work, conservative fields, surface integrals and flux, divergence, curl, and the theorems of Gauss and Stokes. Emphasis on geometric intuition, not just computation. Especially suitable for those with an interest in physics and engineering, as well as mathematics. PREREQ: MTH 254. Satisfies **UHC Elective**.

MTH 256H	APPLIED DIFFERENTIAL EQUATIONS			4 UHC credits
CRN 34209	Section 001	MWF 1000 - 1110	KIDD 238	Thomann, Enrique

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 or instructor consent. Satisfies **UHC Elective**.

MTH 306H	MATRIX & POWER SERIES METHODS			4 UHC credits
CRN 34259	Lecture Section 001	MWF 1000 - 1110	WNGR 285	Pohjanpelto, Juha

Introduction to matrix algebra and 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. Students are welcome to visit the following website: <http://people.oregonstate.edu/~pohjanpp/MatrixPowerSeriesW10/mth306.html> for more information, most of which will be relevant for Winter 2011. PREREQ: MTH 252 or 252H. MTH 254 recommended. Satisfies **UHC Elective**.

MUS 103H	MUSIC APPRECIATION III: CAN'T BUY ME LOVE THE BEATLES, BEATLEMANIA AND HOW THEY REINVENTED ROCK N' ROLL			3 UHC credits
CRN 38417	Section 001	TR 1000 - 1120	STAG 132	Reason Myers, Dana

This course examines the musical contributions and developments of the Beatles and Beatlemania. Considered one of the most influential rock bands of all time, the music of the Beatles reflects the cultural, social and musical revolution of the 1960s. Through lectures, readings, videos and group discussions, students will acquire a comprehensive understanding of the Beatles in music and film, as well as the individuals themselves and why their music remains important in popular music history. Satisfies **BCC, Literature and Arts**.

PH 222H	RECITATION FOR PH 212			1 UHC credit
CRN 35556	Section 001	T 1100 - 1150	WNGR 304	McIntyre, David

Honors recitation reserved for UHC students enrolled in lecture/lab sections of PH 212. 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 212. Graded A/F. Satisfies **BCC, Physical Science**.

TA 147H	INTRODUCTION TO THE THEATRE			3 UHC credits
CRN 38418	Section 001	TR 0830 – 0950	WITH 173	Rossi Jr., Marion

The nature of theatre, with multiple voices and forms of expression, requires the application and development of effective communication skills. In-class exercises will simulate selected steps in the creative process(es) of theatre artists. Students will gain insight and experience in small group communication while, on a broader level, having the chance to explore how the various arts of the theatre (sets, lights, costumes, acting, directing, writing) communicate individually and collectively. Satisfies **BCC, Literature and the Arts**.

WS 235H	GLOBAL WOMEN IN THE MOVIES			3 UHC credits
CRN 37233	Section 001	M 1400 – 1650	STAG 233	Duncan, Patti

In this discussion-oriented interdisciplinary course, we will examine representations of women and gender through screening films from various genres within a global context. In particular, we will explore films produced by women and/or about women's lives and experiences in order to analyze constructions and practices of gender in a transnational, multireligious, global framework. Analyzing the politics of representation will allow us to consider the ways in which women around the world have been imagined, constructed, regulated, and represented in various discourses. Doing so also allows us to understand how women's lives have been deeply affected by colonialism, globalization, nationalist movements, war and militarism, and other processes. Students will be introduced to concepts in feminist film theory and criticism, and various themes and theoretical principles of transnational feminist organizing, with special emphasis placed on women of the global South. By examining the context of various films created within particular historical and cultural contexts, we will develop and expand our understanding of the cultural productions, meanings, and intersections of race, gender, culture, class, sexual identity, and nation. Satisfies **BCC, Cultural Diversity**.

**** The UHC routinely shares information with Honors Students via campus e-mail. In order to have the latest information, students should make sure they are on the Honors ListServ, and read their e-mail on a regular and frequent basis. Changes to the above schedule will be posted on the UHC website.*