ANTH 312H **Peoples of World Europe: ITALY** 3 UHC credits

CRN 58202 Section 001 MW 1000-1120 STAG 411 McMurray, David

The focus of this course is the investigation of Italy through the lens of social anthropology. The reading list for the class will thus be weighted towards ethnographic and popular cultural articles and monographs about Italian social and cultural life. The readings have been selected to highlight the major themes dominating the anthropological study of Italy, such as the family and demographic decline, regional cuisines, the "Southern Question," the impact of neoliberalism, the role of media, identity issues, expressive culture, linguistic pluralism, nationalism and immigration, and the place of Italy within Europe and the Mediterranean world. *Prereqs are waived for this course.* Satisfies **BCC Western Culture**.

ANTH 499H **Ocean Wisdom: Integrating Traditional and Western Ecological Knowledge of the Pacific** 1 UHC credit

CRN 58198 Section 001 R 0900-0950 GILB 228 Kingston, Deanna/Hixon, Mark

The objective of this colloquium is to understand the relative strengths, weaknesses, and assumptions of the worldviews underlying traditional ecological knowledge (TEK) and Western scientific knowledge (WSK), focusing on the Pacific Ocean and its bordering lands. Students will compare and contrast the different epistemologies on which TEK and WSK are based via case studies throughout the Pacific region. The course is designed to involve students of the natural sciences as well as the arts, humanities, and social sciences. Crosslisted as Z 499H. Satisfies **UHC Colloquia**.

BA 260H **Introduction to Entrepreneurship** 4 UHC credits

CRN 58199 Section 001 MW 1200-1350 WNGR 287 Khoury, Theodore

Topics include evaluating entrepreneurial capabilities, creativity, business plan creation, opportunity assessment and feasibility analysis, business implementation, new product introduction, and seeking funds. PREREQ: Sophomore standing. *Prereq waived for UHC students*. Satisfies **UHC Elective.**

BA 352H **Managing Individual and Team Performance** 4 UHC credits

CRN 58200 Section 001 TR 1000-1150 STAG 233 Michelle Swift

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 or COMM 114; *Junior standing prerequisite is waived for this section*. Satisfies **UHC Elective**.

BB 399H **Protein Portraits: The Aesthetic Alchemy of Life** 2 UHC credits

CRN 55907 Section 001 MW 1100-1150 STAG 237 Mc Fadden, Philip

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.**

BB 405H **Scientists in the Public Eye** 2 UHC credits

CRN 55657	Section 001	MW 0900-0950	KIDD 237	Ahern, Kevin

This course is aimed at teaching students how to effectively employ scientific communications in their professional lives. Aimed at students who will be applying to professional schools, the course consists of weekly discussions, interview practice sessions and exercises in both thinking on their feet and writing a personal statement. Student performances will be videotaped and the tapes will be used for analysis and enhancement of student communication skills. Student communication skills will be focused appropriately on the career interest of each student—professional schools, biotechnology industry, government agency, etc. Satisfies **UHC Colloquia.**

BEE 499H **Roman Aqueducts: Fountains of Civilization** 2 UHC credits

CRN 58201	Section 001	TR 1500-1550	STAG 237	Cuenca, Richard

The Roman aqueducts, both in the city of Rome and the Roman colonies, are engineering marvels developed to meet the health, hygiene and at times esthetic demands of Roman society. Parts of some of these aqueducts are still in operation today, some 2,000 years after their construction. The development, construction and maintenance of these aqueducts required application of hydrology of natural systems, hydraulic engineering principles, construction and materials technology as well as the commitment and unification of the society to carry out such public works projects. This course follows this development from the public health challenge, to the hydrologic and hydraulic considerations, the financial support, impact on the Roman society, and the archeological record of their significance. Satisfies **UHC Colloquia**.

BI 213H **Principles of Biology** 2 UHC credits

CRN 55122	Lecture sec. 001	MWF 1000 – 1050	MLM 026		Harwell, Amy
OR					
CRN 55121	Lecture sec. 002	MWF 1300 – 1350	MLM 026		Harwell, Amy

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

CRN 55123	BI 213H	Lab Section 010	M 1400 - 1650	WNGR 228	Rajagopal, Indira
AND					
CRN 53405	BI 401H	Add'l Research Credit Sec. 001	M 1400 – 1650	WNGR 228	Rajagopal, Indira
OR					
CRN 55641	BI 213H	Genomics Lab Section 020	T 0900 – 1150	CORD 3003	Denver, Dee/
AND					Taylor, Barbara
CRN 55642	BI 401H	Add'l Research Credit Sec. 002	T 0900 – 1150	CORD 3003	
	(Limited to First-year and Sophomore students, by application only)				

Genetics, evolution, natural selection and ecology. For life science majors and pre-professional students. Lecture common with non-Honors. Lab is reserved for UHC students enrolled in lecture/lab sections of BI 213. The BI 401H credit is an additional credit for research done during the lab section. Lecture and Lab, and additional lab research credit BI 401H total 5 OSU credits. Additional $30 lab fee. Other PREREQ/COREQ: General Chemistry. Satisfies **BCC, Biological Science**.

Genomics Lab, Section 020 and BI 401H Add'l research credit, 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 435H **Genes & Chemicals in Agriculture, Value & Risk** 3 UHC credits

CRN 56064	Section 001	TR 0830-0950	PVY 108	Strauss, Steven
CRN 56066	Section 010	T 1500-1550	PVY 108	Stone, David

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. *Students should have junior, senior or grad student standing, and at least two quarters of introductory biology.* Crosslisted as FS 435H; TOX 435H. Satisfies **BCC, Science, Technology & Society**.

CH 226H **Honors General Chemistry** 5 UHC credits

****Choose lecture and **<u>one</u>** of the corresponding recitation sections.

CRN 53773	Section 001	MWF 1200 – 1250	GLSN 100	Cheong, H.
CRN 53774	Recitation 010	T 1400 – 1450	BAT 150	Haak, Margie
	and Lab	T 1500 – 1750	GBAD 209	
OR				
CRN 53775	Recitation 011	R 1400 – 1450	BAT 150	Haak, Margie
	and Lab	R 1500 – 1750	GBAD 209	

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. $28 lab fee. PREREQ: CH 222 or 225H. Satisfies **BCC, Physical Science**.

CH 463H **Experimental Chemistry II** 3 UHC credits

CRN 53406	Section 001	M 1300-1350	GBAD 275	Pastorek, Chris/
CRN 53407	Section 010	M 1400 – 1650	GBAD 309	Firpo, Emile
		W 1300 – 1650	GBAD 309	

Advanced integrated laboratory course for junior level chemistry majors. A complete mini-research project covering a search of the literature, designed organic synthesis, photophysical and photochemical study culminates in a scientific poster presentation. Enforced PREREQS: (CH 362 or CH 362H) and (CH 324 or CH 461 or CH 491H). Enforced COREQ: CH 442. $44 lab fee. Contact Chemistry Department for registration. Satisfies **BCC, WIC for Chemistry Majors.**

CHE 405H **Plastics for Poets** 2 UHC credits

CRN 56529	Section 001	W 1600-1750	STAG 237	Rochefort, Skip

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:

***Mr. McG*:** Ben, come with me for a minute. I want to talk to you. I just want to say one word to you. Just one word.
Ben: Yes sir
Mr. McG: Are you listening?
Ben: Yes, I am sir.
Mr. McG: PLASTICS!
Ben: Exactly how do you mean?
Mr. McG: There's a great future in PLASTICS. Think about it. Will you think about it?
Ben: Yes, I will sir.

And indeed they **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. The focus will be on the raising the ***"Plastics IQ"*** of the group, in particular with respect to the social, political, and environmental issues surrounding plastics from "cradle to grave". You will be a better person after taking this class….guaranteed! 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 more about a material that is almost as ubiquitous as water and air in our lives…for the moment and forever!. After some introductory overview material, the course direction will be determined in large part by the interests of the participants. There will be a series of hands-on demonstrations and experiments for all you kinesthetic learners. And the best part of all is that each student will be given their very own example of what has been called by some educators (yours truly included) "the most educational toy ever invented". To find out what it is, you need to come to class (Hint: It's in the "Toy Hall of Fame" and it isn't a Barbie Doll…who is also all plastic!). Satisfies **UHC Colloquia.**

COMM 218H **Interpersonal Communication** 3 UHC credits

CRN 58203	Section 001	MW 1000-1120	WALD 329	Bowker, Judith

Interpersonal communication is the means by which we create our lives–our thoughts, our attitudes, our preferences, even our way of knowing. Our individual perceptions of reality, our personal values, and our life choices emerge from the outcomes of our interpersonal communication with others.

In this course we will renew students' awareness of aspects of interpersonal communication, study new perspectives for interpretation of meaning, explore various strategies devised by scholars to improve skills in interpersonal communication, and look closely at quality of message. This course is a survey course; as such, a generalized scope of topics and ideas will be presented, topics and ideas which may be pursued in more depth in specialized Speech Communication courses. Satisfies **BCC, WR III**.

ENG 245H **The New American Cinema** 4 UHC credits

CRN 58629	Section 001	T 1600-1850 R 1800-2250	OWEN 103 MLM 026	Lewis, Jon

This class looks at American film history from the industry-wide adoption of the Voluntary Motion Picture Rating System in 1968 through the so-called auteur renaissance on to this present era of the blockbuster. Of particular interest will be the essential contradictions at the heart of American cinema: the struggle between art and commerce, creativity and industry, authorship and ownership. There will be weekly film screenings selected from major works of commercial and independent American cinema. Satisfies **BCC Literature & Arts.**

FS 435H **Genes & Chemicals in Agriculture, Value & Risk** 3 UHC credits

CRN 56038	Section 001	TR 0830-0950	PVY 108	Strauss, Steven
CRN 56039	Lab Section 010	T 1500-1550	PVY 108	Stone, David

Crosslisted as BI 435H; TOX 435H. See BI 435H for course description. Satisfies **BCC, Science, Technology & Society.**

H 491H **Addiction in Today's World** 2 UHC credits

CRN 56042	Section 001	TR 1400-1450	STAG 237	Tricker, Raymond

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. Satisfies **UHC Colloquia**.

HC 199 **Honors Writing -Multidisciplinary** 3 UHC credits

CRN 52164	Section 001	MW 0800-0920	STAG 233	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. Satisfies **BCC, WR II**.

HC 199 **Honors Writing-Engineering** 3 UHC credits

CRN 53546 Section 002 TR 800-920 STAG 233 Hill, Eric

This course is designed to help you develop effective communication and analytical skills through a variety of in-class and formal assignments. You will learn to use a variety of rhetorical strategies to create documents such as proposals, reports, letters, working bibliographies, and simple process descriptions. You will also use the tools of critical analysis to "get under the hood" of written and oral communication, using a critical eye to analyze audience, technique, and the various types of rhetorical purposes. Engineers must think critically about information, analyzing, summarizing, and communicating information in a variety of contexts. Because workplace communication is a complex social transaction, each situation must be evaluated both ethically and culturally in order to effectively exchange information in a global community. The final assignment for the class will be a group project that will require a group of students to pool their communication skills for both process and the product. Required for Honors Scholar track. Satisfies **BCC, WR II** AND equivalent to **WR 327 for Engineers**.

HC 299 **Farside Entomology** 2 UHC credits

CRN 56713 Section 001 T 1800-1950 STAG 233 Burgett, Michael

HC299 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.**

HC 399 **You Said Europe?** 2 UHC credits

CRN 55908 Section 001 WF 1200-1250 STAG 237 Krause, Joseph

Two decades have elapsed since the 1989 revolutions yet Europe still remains an equivocal idea. It refers to a search for integration among industrialized societies and to an intellectual legacy fostering progress and development; but it is an idea that also represents a violent suppression of cultures, an enduring conflict between histories, memories and beliefs. North Americans justifiably continue to find in Europe many of their cultural origins. But Europe, as an object of cultural inquiry has been for the most part relegated on US campuses to a secondary status, eclipsed by post-colonial studies.

In this course we will attempt to cross over disciplines in order to examine the factors that have contributed to harmony and to dislocation in Europe, to unity across cultures and to racial divides. The lectures and colloquium discussions will permit students to juxtapose and challenge different interpretations of the European entity and of development at the end of this century. Satisfies **UHC Colloquia.**

HC 399 **Thinking Critically About Technology** 2 UHC credits

CRN 58205 Section 002 W 1400-1550 STAG 237 Funk, Kenneth

Is technology good or evil? What is truly good? How does technology help – or hinder – the realization of the good? This course considers the nature and types of value and the central role the concept of value plays in critical discourse. Technology is defined as a means of value creation, then assessments of technology by ancient, modern, and post-modern authors are read and discussed. Students are encouraged to develop principles for assessing technology and are required to write a principled critique of technology. Graded P/N. Satisfies **UHC Colloquia**.

HC 399 **Energy IQ: Resources, Responsibility, and Renewability Today and Tomorrow** 2 UHC Credits

CRN 58206 Section 003 MW 1300 – 1350 STAG 237 Arp, Dan/Euhus, Dan Rochefort, Skip

We will take both a qualitative and quantitative look at energy resources and uses in the United States. We will consider how energy is generated or obtained and consumed in the US. We will also explore the global implications of energy use and consumption. We will examine predominant and emerging technologies on both the resource and consumption sides. We will also examine the role of ethics, values, and public policy in influencing choices regarding energy use. Students will participate in and lead discussions, give presentations, and generate a personal energy philosophy/statement. No prerequisites. Satisfies **UHC Colloquia.**

HC 399 **Managing Complex Organizations in a Global Workplace** 2 UHC credits

CRN 57806 Section 004 T 1400-1550 KEAR 205 Doolen, Toni

Most work done in organizations today has some international element and uses technology to enable this work. This course examines how multi-cultural and multi-national contexts for work and employment impact workers and managers alike. We will specifically discuss the managerial and interpersonal skills that are necessary to successfully manage cross-culturally and multi-nationally. Topics include business ethics, team dynamics in the virtual world, managing culturally sensitive issues, business practices related to performance feedback, and cross-cultural communications. The course incorporates case studies, role playing, guest speakers, and panel discussions in an environment of active participation. Graded P/N. Satisfies **UHC Colloquia.**

HC 407 **Shakespeare Via Ashland** 1 UHC credit

CRN 52165 Section 001 TR 1800 - 1850 STAG 106 Hill, Eric

Organizational meeting (Tuesday, May 3, 1800 in the McNary Raintree Lounge), three day field trip (May 6, 7, and 8), and two discussion meetings both 1800 (pick one: Thursday, May 12, STAG 106 or Tuesday, May 17, STAG 106). Read Shakespeare's Measure for Measure and attend three plays and a backstage tour. Two short writing assignments: 1. Blog entry (1 paragraph), and 2. Metatheater Essay (2 pages). Travel Details: Leave Friday, May 6, at 12:30pm; arrive in Ashland to check into the Best Western Winsor Inn and leave to attend play. Saturday morning (following breakfast) is a student tour at 10:30 am and our second play at 1:30 pm, your afternoon is free to explore Ashland and Lithia Park until our final play at 8:00 pm. Sunday, 8:00 am we will leave Ashland. Cost: $205.00 includes tickets for three plays and the tour, coach travel, and two overnight stays at the Windsor Inn. Bring money for snacks and meals, besides breakfast (which will be provided). To secure your place, register for the course. Since all arrangements have been prepaid for, course fee is non-refundable. All students are required to travel and stay as a group in trips sponsored by the University Honors College. Pick up class syllabus in the UHC office during Dead Week of Winter Term. Please note that this class can only be taken twice for credit. Graded P/N. Satisfies UHC Colloquia.

HC 407 **The Physics and Philosophy of Time** 1 UHC credit

CRN 53634 Section 002 R 1500-1550 WNGR 305 Krane, Kenneth

What is time? Physicists and philosophers have differing viewpoints about the ultimate nature of time. According to Isaac Newton, time is universal, unchanging, and independent of the observer. Modern theories of physics, however, give us a very different view. In this course we will explore how our ideas about time have been shaped by special and general relativity, cosmology, thermodynamics, quantum mechanics, and time reversal asymmetry. All of these topics will be discussed at an elementary level – no previous physics or mathematics background is necessary for this course. Weekly reading assignments and short reaction papers are required. Satisfies **UHC Colloquia.**

HC 407 **God, Pain, and the Problem of Evil: An Introduction to C. S. Lewis** 1 UHC credit

CRN 52166 Section 003 M 1600-1650 STAG 237 Ferngren, Gary

C. S. Lewis (1898-1963), Oxford don, novelist, literary critic, and philosopher, was one of the most gifted and popular philosophical writers of his generation. From the point of view of orthodox Christianity, Lewis dealt in his theological and imaginative works with some of the most basic and perennial moral and religious questions. Graded P/N. Satisfies **UHC Colloquia.**

HC 407 **Understanding the Financial Crisis: An Alternative to Blame** 2 UHC credits

CRN 58214 Section 005 T 1400-1550 STAG 329 Bella, David

In a reply to the Queen of England, the "Royal Society" stated that the financial crisis of 2007-08 was "principally a failure of the collective imagination of many bright people". Two leading financial modelers – a physicist and a mathematician - claimed, "The greatest danger is the age-old sin of idolatry". The bipartisan Financial Crisis Investigation Commission (FCIC), however, appears split along predictable partisan lines. This colloquium will seek to make some sense of all this by radically departing from established forms of explanations, particularly blame. We will clarify (model sketch) the character of contexts within which 1) normal, competent, and well-adjusted people find reason to behave in some ways rather than others and 2) disastrous outcomes emerge. Examples will be given. Then, drawing upon the FCIC report, we will apply this approach to the crisis. Our challenge: to expose matters of importance that were overlooked or not even imagined. Graded P/N. Satisfies **UHC Colloquia.**

HC 408 **Introduction to Thesis - Science** 1 UHC credit

CRN 56936 Section 002 M 1700-1850 STAG 323 Arp, Daniel/Ahern, Kevin
Class meets in three evening workshop sessions; 4/11, 4/25, 5/9 Hill, Eric/Rajagopal, Indira

This course will introduce students to thesis expectations for the Honors thesis, the capstone academic experience in the UHC, and guide students toward the preparation of a thesis proposal. The course material will be designed particularly for students working on a thesis in the sciences. This course is not open to first and second year students. This is the final offering for Intro. to Thesis. Graded P/N. Satisfies **UHC Intro to Thesis.**

HC 408 **TheSIS: Learn** 1 UHC credit

CRN 58215 Section 003 W 1800 – 1920 KIDD 350 Arp, Daniel/Ahern, Kevin
Class meets in three evening workshop sessions; 4/13, 4/27, 5/11 Hill, Eric/Rajagopal, Indira

In this course you will lay the groundwork for a successful thesis experience. We will discuss the value of the thesis, the necessary steps toward successful completion of a thesis (e.g. identifying a mentor, finding a topic, preparing a work plan, etc.), and we'll hear from students, faculty, and alumni with experience in the thesis process. There are three required tasks associated with TheSIS:Learn, 1) reading a completed thesis, 2) scheduling and summarizing an interview/conversation with a faculty member who could serve as a mentor, and 3) scheduling and summarizing an interview/conversation with an Honors student currently working on a thesis or a UHC alum. Completion of TheSIS: Learn will prepare students for the Undertake module of the TheSIS, which will assist students through the steps required to complete a signed thesis proposal. Graded P/N. 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 52167 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 52168 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 52169 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 52170 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 52137 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.**

HDFS 447H **Families and Poverty** 4 UHC credits

CRN 58219	Section 001	MW 1600-1720	STAG 233	Richards, Leslie

This course will examine families in poverty with attention focused on the causes and consequences of family poverty, including global economic factors, migration patterns, and political/social crises. Included will also be an investigation of policies and programs for poor families, both within the United States and internationally. Over the course of the term, students in this class are required to complete 20 hours of community service at an agency that primarily serves low income individuals or families. Satisfies **BCC, Contemporary Global Issues.**

MTH 252H **Integral Calculus** 4 UHC credits

CRN 58221	Section 001	MWF 1500-1550	STAG 233	Flahive, Mary
CRN 58222	REC SEC 010	W 1400-1450	STAG 233	

In the same way that the derivative measures rate of change, the integral measures net change. The integral has numerous applications in physics, engineering and other sciences. PREREQ: MTH 251 or 251H. Satisfies **UHC Elective**.

MTH 254H **Vector Calculus I** 4 UHC credits

CRN 53778	Section 001	MWRF 1000-1050	KIDD 280	Parks, Harold

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 or 252H. Satisfies **UHC Elective.**

MTH 256H **Applied Differential Equations** 4 UHC credits

CRN 56201	Section 001	MWF 1300-1350	STAG 233	Gibson, Nathan
CRN 56530	Section 010	F 1400-1450	STAG 233	

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 254H or instructor consent. Satisfies **UHC Elective.**

MTH 306H **Matrix & Power Series Methods** 4 UHC credits

CRN 58223 Lecture Sec. 001 MWF 1100-1150 STAG 233 Thomann, Enrique

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. PREREQ: MTH 252 or 252H. MTH 254 recommended. Satisfies **UHC Elective**.

OC 399H **Astrobiology** 2 UHC credits

CRN 55640 Section 001 TR 1300-1350 WNGR 201 Colwell, Fredrick/Fisk, Martin

The question of whether life exists elsewhere in the universe is a verifiable scientific hypothesis. "Astrobiology" is an interdisciplinary course that combines aspects of astronomy, physics, chemistry, geology, and biology that are relevant to the origin and evolution of life and its possible distribution in the universe. Students will use basic scientific principles of these five fields of science to explore the limits of life in the cosmos. Classroom activities will be used to illustrate the principles. An exercise that is designed to explore and develop each classroom activity will be assigned. Readings will be assigned as background for the lectures. Exercises and readings will require 1 to 3 hours of effort outside of the classroom for each class period. Recommended background: One year of high school chemistry. Satisfies **UHC Colloquia**.

PH 221H **Recitation for Physics 211** 1 UHC credit

CRN 53408 Recitation Sec. 001 R 1100 - 1150 WNGR 304 Krane, Kenneth

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

PH 223H **Recitation for Physics 213** 1 UHC credit

CRN 55135 Recitation Sec. 001 T 1100 - 1150 WNGR 212 Demaree, Dedra

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

PHL 431H **Buddhism, Non-Violence, and Social Justice** 4 UHC credits

CRN 58226 Section 001 MW 1400-1550 BEXL 211 Blumenthal, James

This course will investigate contemporary ideas, theories, and practices of the international movement of socially and politically active Buddhists known as Engaged Buddhism. Particular attention will be given to the philosophical presentations of non-violence and social justice, and their applications in living Buddhist traditions. In this course student participation will play a major role. We will read, discuss, and critically analyze two scholarly articles each week as we build our knowledge and deepen our understanding of the subject matter. Satisfies **UHC Elective**.

PS 399H **What Next? Adapting to Global Interdependence** 2 UHC credits

CRN 58227 Section 001 W 1000-1150 GILK 100 Clinton, Richard

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 revised, honored values rethought, 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.

We will read, write brief (2-page) critical reactions to, and extensively discuss several articles and essays relevant to the issues raised by Global Interdependence, including such classics as Aldo Leopold's "The Land Ethic," E. F. Schumacher's "Buddhist Economics," Garrett Hardin's "The Tragedy of the Commons," and Herman Daly's "The Steady-State Economy: Toward a Political Economy of Biophysical Equilibrium and Moral Growth." A final essay of 5 to 6 pages will offer, and assess the prospects of, proposals for initiating and implementing the promising measures we will have examined. Satisfies **UHC Colloquia.**

SOC 312H **Sociology of the Family** 4 UHC credits

CRN 58228	Section 001	TR 1200-1350	STAG 233	Ortiz, Steve

Sociologists understand that "family" is socially constructed, and one important way of understanding this interactional process is to examine the nature of marital and family relationships. Therefore, this course explores the construction and management of adult relationships in the context of intimate/marital/family relationships, and how they vary across social classes and racial/ethnic groups. We begin by discussing the current and sociological significance of intimate/marital/family relationships in contemporary society. Emphasis is given to the topics of gender, emotion, and power/control. We focus on the topics of attraction/dating/courtship and romantic/real love. Attention is given to the basis of marital expectations/satisfaction. We take into account the topics of communication, conflict, and infidelity in the analysis of marital complexities and challenges. PREREQ: SOC 204 or instructor consent. Satisfies **BCC, Difference Power and Discrimination.**

TOX 435H **Genes & Chemicals in Agriculture, Value & Risk** 3 UHC credits

CRN 56057	Section 001	TR 0830-0950	PVY 108	Strauss, Steven
CRN 56059	Lab Section 010	T 1500-1550	PVY 108	Stone, David

Crosslisted as BI 435H; FS 435H. See BI 435H for course description. Satisfies **BCC, Science, Technology & Society.**

WS 280H **Global Women** 3 UHC credits

CRN 58229	Section 001	TR 1400-1520	STAG 233	Lee, Janet

This courses focuses on women's experiences throughout the world and examines women's issues and status cross-culturally. We will analyze the practices of concern to women in the global context and focus on such issues as work and family, reproductive and sexual freedom, religion and politics. We will also examine the relationship of women to various kinds of international development strategies and learn about global movements for gender equality. It is hoped that by studying women's lives in other cultures you will develop not only an understanding of women's status in the global sense and the cultures in which they reside, but also an appreciation for women and the struggles and forms of resistance of which they are a part. Satisfies **BCC, Cultural Diversity.**

Z 499H **Ocean Wisdom: Integrating Traditional and Western Ecological Knowledge of the Pacific** 1 UHC credit

CRN 58230	Section 002	R 0900-0950	GILB 228	Hixon, Mark/Kingston, Deanna

See ANTH 499H course description for details. Crosslisted as ANTH 499H. Satisfies **UHC Colloquia**.

******** *The UHC routinely shares information with Honors Students via ONID e-mail. In order to have the latest information, students should verify that they are receiving the Monday Messages and read their ONID e-mail on a regular and frequent basis. Changes to the above schedule will also be posted on the UHC website.*

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