



<b>BI 102H</b>	<b>GENERAL BIOLOGY</b>			2 UHC credits
CRN 37778	Lecture Sec 001	TR 0900 – 0950	MLM 026	Lavery, Mark Blair, Lesley
<b>AND</b>				
CRN 38560	Lab Section 010	M 1400 – 1650	WNGR 127	Lavery, Mark Blair, Lesley

Mendelian genetics, molecular genetics, human genetics, genetic engineering, evolution, and behavior. An introductory course in the principles and methods of biology, intended for majors in fields other than the biological sciences. Lecture common with non-Honors. Lab is reserved for UHC students enrolled in lecture/lab sections of BI 102. Satisfies **BCC, Biological Science**

<b>BI 212H</b>	<b>PRINCIPLES OF BIOLOGY</b>			2 UHC credits
CRN 34524	Lecture Sec. 001	MWF 1000 – 1050	MLM 026	Clark, D
<b>OR</b>				
CRN 34523	Lecture Sec. 002	MWF 1300 – 1350	MLM 026	Clark, D
<b><u>SIGN UP FOR ONE OF THE LAB/401H PAIRS BELOW</u></b>				
CRN 34525	Lab Section 010	M 1400 - 1650	WNGR 228	Rajagopal, Indira
<b>AND</b>				
<b>BI 401H</b>	Add'l Lab Credit, Sec. 001			M 1400 - 1650
CRN 33752				WNGR 228
<b>OR</b>				
CRN 36980	Genomics Lab Section 020	T 1000 – 1250	CORD 3003	Denver, Dee/ Taylor, Barbara
<b>AND</b>				
<b>BI 401H</b>	Genomics Add'l Lab Credit Sec. 002			T 1000 – 1250
CRN 36981	(Limited to First-year and Sophomore students, <u>by application only</u> )			CORD 3003
				Denver, Dee/ Taylor, Barbara

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 \$20 lab fee. Prereq/Coreq: General Chemistry. Satisfies **BCC, Biological Science**.

*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.*

<b>BI 306H</b>	<b>ENVIRONMENTAL ECOLOGY</b>			3 UHC credits
CRN 37764	Section 001	MWF 1100 – 1150	STAG 237	Lajtha, Kate

Introduces students to the biological, physical and chemical nature of both natural and human-disturbed ecosystems. Topics include population and conservation ecology, toxins in the food chain and in the environment, forest decline and acid rain, eutrophication of terrestrial and aquatic ecosystems, and ecosystem restoration. Prereq: One year of college biology and chemistry. Satisfies **BCC, Contemporary Global Issues AND WIC for Biology, Botany and Environmental Science majors**.

**BOT 407H MT. ST. HELENS: 30 YEARS AFTER** 1 UHC credit  
 CRN 37770 Section 001 T 1500 – 1650 CORD 4083 Zobel, Don  
**5 week course: 1/4/10 to 2/5/10. Includes a 4-hour Saturday field trip.**

This class coincides with the 30<sup>th</sup> anniversary of the May 18, 1980 eruption of Mount St. Helens, Washington, which was the most destructive natural event of the century in the Pacific Northwest. It has incited curiosity and awe in those who encountered the event and its aftermath. We will study the geologic events of 1980; their effects on people and ecosystems; and the biological, literary, and societal responses to the eruption. We will seek “messages from the mountain,” what lessons have been drawn by scientists and the public, and we will discuss what those lessons should be. Satisfies **UHC Colloquia**.

**CH 225H HONORS GENERAL CHEMISTRY** 5 UHC credits  
 \*\*\* Choose lecture and one of the corresponding lab/recitation sections

CRN 34459 Lecture Section 001 MWF 1200 - 1250 GILB 124 Lerner, Michael

**AND**

CRN 34460 Recitation Section 010 T 1400 – 1450 HOV 100 Haak, Margaret  
 Lab Section 010 T 1500 – 1750 GBAD 209F Haak, Margaret

**OR**

CRN 34461 Recitation Section 011 R 1400 – 1450 HOV 100 Haak, Margaret  
 Lab Section 011 R 1500 – 1750 GBAD 209F 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**.

**CH 362H EXPERIMENTAL CHEMISTRY I** 3 UHC credits  
 \*\*\* Choose one of the corresponding lecture/lab sections.

CRN 34462 Lecture Section 010 T 1300 – 1350 GBAD 409 Firpo, Emile  
 CRN 34463 Lab Section 011 T 1400 – 1650 GBAD 409 Loeser, John  
 and Section 011 R 1300 – 1650 GBAD 409

**OR**

CRN 34464 Lecture Section 020 W 1300 – 1350 GBAD 409 Loeser, John  
 CRN 34465 Lab Section 021 W 1400 – 1650 GBAD 409 Loeser, John  
 and Section 021 F 1300 – 1650 GBAD 409 Loeser, John

This is the second term of integrated laboratory for students majoring in chemistry and biochemistry/biophysics covering first hand experimental techniques of organic, physical chemistry, analytical, and inorganic chemistry for two projects. Students will do a two step synthesis to first produce a cyclic acid and then convert it into a cyclic ester. Techniques of vacuum distillation are developed with characterization of the product by GC, FTIR, and refractive index. In the second project students will use 2D NMR and GCMS to uncover the identity of an unknown compound, determine the  $K_{eq}$  as a function of solvent polarity for Hacac, and synthesize and characterize a metal acetylacetonate complex. Additional \$44 lab fee. **No-show-drop**. Must be taken in order. Prereqs: 361H and CH 335 (may be taken concurrently). *Contact Chemistry Department for registration*. Satisfies **UHC Elective**.

<b>CH 462H</b>	<b>EXPERIMENTAL CHEMISTRY II</b>			3 UHC credits
CRN 34466	Lecture Section 001	M 1300 – 1350	GBAD 309	Lerner, Michael
<b>AND</b>				
CRN 34467	Lab Section 010	M 1400 – 1650 W 1300 – 1650	GBAD 309 GBAD 309	Pastorek, Christine Pastorek, Christine

Advanced integrated laboratory course for junior level chemistry majors concentrating on physical and analytical chemistry of polymers and materials. Students synthesize a synthetic rock, zeolite, and make PMMA, a polymer. Students learn first hand techniques of: PXRD, INAA, DSC, TGA, GPC, electrochemistry, reaction kinetics by flash photolysis, pulsed polarography and ASV. Additional \$44 lab fee. Prereqs: (CH 362 or CH 362H) and CH441 (may be taken concurrently), (CH 324 or CH 461 or CH 461H). Satisfies **BCC, WIC for Chemistry majors.**

<b>ENGR 350H</b>	<b>SUSTAINABLE ENGINEERING</b>			3 UHC credits
CRN 37103	Section 001	TR 1400 – 1520	OWEN 106	Kelly, Christine

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.**

<b>GEO 300H</b>	<b>SUSTAINABILITY FOR THE COMMON GOOD</b>			3 UHC credits
CRN 36867	Section 001	M 1400 - 1650	WILK 203	Cook, Steve

Geography of human relationships to earth's systems with emphasis on individual impacts and collective efforts to achieve environmental sustainability. Satisfies **BCC; Science, Technology, and Society OR Contemporary Global Issues.,**

<b>H 399H</b>	<b>DRUGS, SOCIETY &amp; HUMAN BEHAVIOR</b>			2 UHC credits
CRN 37771	Section 002	TR 1300 – 1350	STAG 237	Tricker, Ray

This course provides students with the opportunities to examine the complexities surrounding the use and abuse of drugs in the United States today. Course content will include discussion of the health and social effects of the uses and misuse of alcohol, tobacco, stimulant and depressant drugs, medications, hallucinogens, marijuana, and other illegal drugs; and the public health aspects of using/abusing these drugs.

Through the selection of an applied assignment, students will be able to explore the phenomenon of addictive behavior, in addition to formulating a personal philosophy related to drug use. The challenges inherent in trying to prevent substance abuse will be address, with particular regard to multi-tiered influences on decisions to abuse drugs e.g. the physical and psychological environment, socio-economic status, poverty, minority status and lack of opportunity, and the national policy to name but a few. Satisfies **UHC Colloquia**

<b>HC 199</b>	<b>HONORS WRITING - MULTIDISCIPLINARY</b>			3 UHC credits
CRN 35328	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.**

<b>HC 199</b>	<b>HONORS WRITING - SCIENCE</b>			3 UHC credits
CRN 31862	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.* Satisfies **BCC, WR II.**

<b>HC 299</b>	<b>TRANSLATIONS</b>			2 UHC credits
CRN 37765	Section 002	W 1200 – 1350	STAG 233	Hill, Eric

This course will examine the various processes of translation, both literally and figuratively. We perform acts of translation whenever we read, write, listen to, or speak. Translation is not just restricted to deciphering a foreign language, but also to understanding jargon, colloquialisms, slang, euphemism, idiomatic expressions, and images. Students will look at how we use and think about (or sometimes how we don't think about) language. We will begin with some fundamental concepts that will include etymology, grammar, and some historical background of the evolution and commonality of languages. Since we will be looking at the concept of translation in this broad sense, students need not necessarily speak a language other than English to take this class (although those students are certainly welcome). Students will be asked to critically examine examples of translation. They will write about and present in a discussion format how language works in a variety of contexts. Satisfies **UHC Colloquia.**

<b>HC 299</b>	<b>THE SOUL OF MEDICINE</b>			1 UHC credit
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This is a special colloquium open to interested honors students and pre-med students in anticipation of a visit to OSU spring term of Dr. Sherwin Nuland, one of the leading medical writers of our time. Students will read Nuland’s acclaimed book, *The Soul of Medicine*, discuss and write papers about the stories of medicine he compiles in the book, reflect on the significance of these stories for their own professional aspirations. The central question we will seek to answer via this method is “what constitutes medicine’s soul”? Students in the course will have an opportunity to have dinner with Dr. Nuland during his visit to OSU and should plan on attending Dr. Nuland lecture on April 8<sup>th</sup>. Satisfies **UHC Colloquia**.

**HC 399                      GENETICS, MEDICINE, & THE HUMAN CONDITION                      2 UHC credits**

CRN 37766      Section 001      R 1000 – 1150      STAG 237      Taylor, Barb

The goal of this course is to provide students with a chance to integrate new advances in molecular biology and genetics with the impact of this new knowledge on the health and development of human beings. In this course these genetic and molecular advances will be considered as they apply to eight different scenarios that profile an interaction between people, medicine and genetics. Students will come to appreciate how we identify mutations in specific genes, their role in different diseases, understand the biological aspect of these diseases or conditions in the context of human history, ethics and different societies. They will also develop skills in analytical thinking, forming cogent arguments and speaking in groups. Satisfies **UHC Colloquia**

**HC 399                      MEXICO, SERVICE LEARNING ABROAD                      2 UHC credits**

CRN 38757      Section 002      W 1700 – 1850      STAG 233      Baker, LeeAnn  
Win, Thet Mar

This service-learning course will be focused on community development and cultural awareness, including dealing with the reality of poverty, homelessness and inferior education in Mexico. The content will be integrated into the course in a variety of ways including reading, guest lecturers, and independent student research in Mexico. The course includes a 7-day service experience over spring break March 2010, with Centro Cultural de Lenguas (CCL) community partners in Morelia Mexico. Students will work in teams to develop and implement service projects that reflect discussions and planning with CCL staff, children, and residents and teachers in Morelia. Course fee: \$1420.00 included air + ground transportation, insurance, housing, placement fee, + most meals. Since all arrangements have been prepaid for, course fee refund under very limited conditions if you drop or withdraw from the course. All students are required to travel and stay as a group. Registration is by application only. Contact instructor for more information. Satisfies **UHC Elective**.

**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 32330      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 32331      Section 002



CRN 37776      Lab Section. 010      F 1100 - 1250      NASH 316      Bruslind, Linda

This course is designed to introduce non-science majors to the field of microbiology. There are no prerequisites, and no particular scientific background is assumed. The student will be introduced to the major groups of microbes. Applications to medical, ecological, and industrial microbiology will also be discussed. Satisfies BCC, Biological Science.

**MTH 252H      INTEGRAL CALCULUS      4 UHC credits**

CRN 34468      Section 001      MWF 0800 - 0910      WNGR 201      Thomann, Enrique

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 fee. Prereq: MTH 251. Satisfies **UHC Elective**.

**MTH 256H      APPLIED DIFFERENTIAL EQUATIONS      4 UHC credits**

CRN 34470      Section 001      MWF 1100 - 1210      WNGR 285      Solmon, Don

First-order linear and nonlinear equations. Second-order linear equations, including general theory and solution methods for equations with constant coefficients. Introduction to the Laplace transform. Numerous applications, including mechanical oscillations. Prereq: MTH 254 or instructor consent. Satisfies **UHC Elective**.

**MTH 306H      MATRIX & POWER SERIES METHODS      4 UHC credits**

CRN 34537      Lecture Section 001      MWF 1000 - 1110      STAG 233      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 Winter 2008 website at [http://oregonstate.edu/~pohjanpp/Previous\\_Courses/MatrixPowerSeriesW07/mth306.html](http://oregonstate.edu/~pohjanpp/Previous_Courses/MatrixPowerSeriesW07/mth306.html) for more information, most of which will be relevant for Winter 2009. Prereq: MTH 252. Satisfies **UHC Elective**.

**MTH 399H      HIGHLIGHTS IN THE HISTORY OF MATHEMATICS      1 UHC credit**

CRN 37767      Section 001      T 1400 – 1450      STAG 233      Guenther, Ronald

This is a seminal course which means that the participants themselves will present material. A set of topics will be suggested in the first meeting and each student will select a topic from one of those proposed or one of his/her own choosing. The topics will deal with the contributions of a particular man or woman or, in the case of ancient or medieval times with the developments of a certain period. The presentations will roughly follow chronologically the periods in which the developments have taken place. Satisfies **UHC Colloquia**.

**MUS 102H      RAPP'N TO THE BEAT: A SURVEY OF HIP HOP MUSIC & CULTURE      3 UHC credits**

CRN 37768      Section 001      TR 1000 - 1120      STAG 233      Coolen, Michael  
Reason, Dana



to know *why* acting in one way rather than another was right – what, in other words, *makes* something moral or immoral? Finally, we might wonder why we should be moral at all – what is, or ought to be, our motivation for acting morally or being a good person? In this class, we will explore these questions through an introduction to various ethical theories that we will use to analyze and evaluate a variety of ethical issues and problems. Satisfies **BCC, Western Culture**.

<b>PS 399H</b>	<b>AFFIRMATIVE ACTION IN OBAMA’S AMERICA</b>			2 UHC credits
CRN 37774	Section 001	R 1400 – 1550	STAG 233	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. Satisfies **UHC Colloquia**.

<b>WS 235H</b>	<b>GLOBAL WOMEN IN THE MOVIES</b>			3 UHC credits
CRN 38561	Section 001	M 1400 – 1650	GILK 100	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. 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.*