

Fall 2018 Course Offerings Descriptions

- These courses are restricted to honors students and can only be accessed using a **Course Registration Number (CRN)** distributed by UHP. You cannot search for them in Schedule Builder.
- Each honors student must complete three UHP courses during the 2018-2019 academic year (one per quarter). All of the honors courses are capped at 25 students each, except for BIS 2A-C03, BIS 2A-C05, ECH 1, MAT 17A and MAT 21B, NAS 34, and UWP 120 which are capped at 15-30.
- ECH 1 is part of a large general-population lecture; however, the lab section is taught by Professors Kuhl and Ristenpart instead of a TA.
- Honors courses must be taken for a letter grade and earn a minimum grade of C-; courses changed to P/NP grading will not count toward UHP requirements **[All prerequisites listed in red text will not be waived for honors students].**

Note: Department course offering details--classrooms, days and times—are subject to change. Schedule Builder provides the most accurate information to date.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
American Lives Through Autobiography	201810	AMS	001C	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Wang, Grace	Lecture	MW	10:00 AM – 11:50 AM	YOUNG	192

Description:

Lecture—3 hours; discussion—1 hour. American culture as understood through the individual life stories told by Americans, with attention to the roles of gender, race, ethnicity, social class, and sexual orientation in the individual's life course. GE credit: ArtHum or SocSci, Div, Wrt | ACGH, AH or SS, DD, WE.

This course is designed specifically for the honors program and this course will encompass multiple forms of first-person narratives (from memoirs to graphic novels, poetry, music, and documentaries). This class will be an opportunity for self-reflection and assessment about how issues such as history, power, memory, and social identity (along axes of race, gender, class, etc.) shape how we tell stories about our self, broader communities, and the nation. This course will incorporate creative assignments, informal writing, collaborative projects, and a final memoir project.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Intro to Archaeology	201810	ANT	003	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Darwent, Christyann	Lecture	MW	12:10 PM – 1:30 PM	HUNT	110
	Discussion	MW	1:40 PM – 2:00 PM	HUNT	110

Description:

Lecture—3 hours; discussion—1 hour. Development of archaeology as an anthropological study; objectives and methods of modern archaeology. GE credit: SciEng or SocSci, Div | SE or SS, SL.

This course is designed to introduce the methodological and theoretical underpinnings of archaeology. Goals of archaeological research and techniques used to extract data from the archaeological record are discussed in general terms and illustrated with examples from various parts of the world. Lectures are supplemented with films and computer visuals. It is designed to supply you with a basic understanding of the methods of archaeological analysis. Discussions will relate to concepts covered during class lectures and are intended to provide supplementary information on archaeological methods with a “hands-on” focus (e.g., real examples of bone, stone, ceramic and metal artifacts). I expect you to leave this class with a much better understanding of what it is that archaeologists do, and how we reconstruct the past; become a more informed viewer of such channels as Discovery and History; and realize that culture history is a non-renewable resource to be protected.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Intro to Biology: Essentials of Life on Earth	201810	BIS	002A	C01	5.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Singer, Mitch	Lecture	MWF	1:10 PM – 2:00 PM	OLSON	207
	Discussion	M	10:00 AM – 11:50 AM	SCILAB	2067

Description:

Lecture—3 hours; discussion—2 hours. Essentials of life including sources and use of energy, information storage, responsiveness to natural selection and cellularity. Origin of life and influence of living things on the chemistry of the Earth. Not open for credit to students who have completed course 1A with a grade of C- or better. GE credit: SciEng | SE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Intro to Biology: Essentials of Life on Earth	201810	BIS	002A	C02	5.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Singer, Mitch	Lecture	MWF	1:10 PM – 2:00 PM	OLSON	207
	Discussion	M	2:10 PM – 4:00 PM	SCILAB	2067

Description:

Lecture—3 hours; discussion—2 hours. Essentials of life including sources and use of energy, information storage, responsiveness to natural selection and cellularity. Origin of life and influence of living things on the chemistry of the Earth. Not open for credit to students who have completed course 1A with a grade of C- or better. GE credit: SciEng | SE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Genome Hunters	201810	BIS	023A	001	3.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Facciotti, Marc	Lecture	T	1:10 PM – 2:00 PM	WELLMAN	101
Albeck, John	Lab	R	1:10 PM – 4:00 PM	ACADSURGE	2240

Description:

Lecture—1 hour; laboratory—3 hours. **Prerequisites: MAT 17A OR MAT 21A (can be taken concurrently).**
GE credit: SE.

This course is the first of a 2-part Course-based Undergraduate Research Experience (CURE) that introduces students to quantitative approaches to biological experimentation and data analysis. The course series is planned as part of the first-year core of a future cross-College Quantitative Biology major that will serve as a national model for 21st century biology education.

The course research experience focuses upon discovering the genomic correlates of a quantitatively measured behavior. This goal is achieved in the context of a two quarter-long, project-based experiment in which students isolate a set of organisms, quantitatively characterize their behaviors, and sequence their genomes (fall quarter), and then perform bioinformatics analyses of the resulting genomic data to identify features of the genomes that correlate with the observed behavior (spring quarter). Genomes are submitted for sequencing at the end of the fall quarter, with the resulting genomes returned in the Winter quarter so that the data are available in the spring quarter. *Note: enrollment in BIS 23B is not mandatory.*

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Modern Chinese Literature (in English)	201810	CHN	010	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Chen, Xiaomei	Lecture	TR	4:10 PM – 5:30 PM	BAINER	1132
	Discussion	TR	5:40 PM – 6:00 PM	BAINER	1132

Description:

Lecture—3 hours; term paper or discussion—1 hour. Introductory course requiring no knowledge of Chinese language or history. Reading and discussion of short stories and novels and viewing of two films. Designed to convey a feeling for what China has experienced in the twentieth century. Not open for credit to students who have already taken, or are taking concurrently, course 104. GE credit: ArtHum, Div, Wrt | AH, WC.

This is a survey class of modern Chinese literature from the 1910s to the 1990s in the contexts of Chinese historical and cultural circumstances and Western impacts. We will examine examples of the major literary genres such as fiction, poetry, drama, and women's literature. Among some of key questions to be asked are: What is modern Chinese literature? What does it tell us about the cultural, social, psychological, and historical changes that occurred in twentieth century China? Who are the main literary and cultural figures of that century and what did they contribute to the mentality and historical understanding of the Chinese people and the Chinese nation? What was the impact of Western thought and how did it affect the way Chinese reflected on their own cultural identities, individuality, social, and family and gender relationships? Since ethnic Chinese constitute one-fourth of the world population in the contemporary world, a deeper understanding of modern Chinese literature, as seen in the major writers and thinkers, will help us understand the perception of Chinese by Chinese and by non-Chinese. It will also help us understand how we can contribute to the mutual understanding between the Chinese people and peoples from other part of the world.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Major Books of Western Culture: The Ancient World	201810	COM	001	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Parrish, Timothy	Lecture	TR	10:00 AM – 11:50 AM	PHYSIC	148

Description:

Lecture/discussion—4 hours. **Prerequisite: completion of Entry Level Writing Requirement.** Introduction, through class discussion and frequent written assignments, to some of the major books of western civilization such as The Odyssey, Aeneid, Bible, and Augustine's Confessions. GE credit: ArtHum, Wrt | AH, WC, WE.

Literary achievements are not simply the records, or by-products, of the central beliefs of a culture; they are also a means by which those ideas are created. As much as bricks and mortar, works of written and oral expression are building blocks of human culture. Recognizing this fact, this course is not arranged in simple geographic or historical terms. Rather, the course identifies several key problems that define literary expression and its relationship to the larger cultures of which it is a part—the author's role as a creator, the relationships between individuals and the societies they comprise, the very definition of the boundaries that demarcate civilizations. In this first segment of the course, we will begin by considering the subject of literature as form of innovation and means of making culture in creation narratives from the Book of Genesis, Plato's Timaeus, Lucretius's On the Nature of Things and Ovid's Metamorphoses. In the second half of the course, we will turn from writers to audiences as we take up the epic. Selections from the Iliad and Odyssey will be read against Statius' Achilleid and Virgil's Aeneid as a way to consider the reader-heroes that these works come to create. Cervantes' "knight of faith" Don Quixote will serve as the endnote of this long tradition. These texts represent both dominant voices of the cultures that we live in and have inherited; they also include alternative stories that have in important ways remained persistently and powerfully outside the main line of cultural tradition. Emphasis will be on reading as a quest, an adventure, and form of self-realization. List of Readings: Ovid, Metamorphosis, selections Bible, Book of Genesis Lucretius, On the Nature of Things, selections Plato, Timaeus Cervantes, Don Quixote, selections Homer, The Odyssey, The Iliad, selections Virgil, Aeneid, selections Statius, Achilleid, selections.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Filmmaking Foundations	201810	CTS	020	A05	5.000
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Wyman, Julie	Lecture	MW	3:40 PM – 5:00 PM	ARTANX	107
	Film Viewing	M	5:10 PM – 7:00 PM	ARTANX	107
	Laboratory	W	6:10 PM – 9:00 PM	ARTANX	107

Description:

Lecture—3 hours; laboratory—3 hours; film viewing—2 hours; project. Recommended: course 5/Technocultural Studies 5 and/or Film Studies 1. Introduction to filmmaking concepts, principles, and methods. Hands-on exercises build critical and creative capacities. Emphasis on form, content and the historical dialectic between classical narrative filmmaking conventions and artists' challenges to these conventions. Weekly Lab, Lab Preparation, and Evening Screening. GE credit: ArtHum | AH, VL.

This course introduces film/video-making as an artistic practice and a mode of cultural production. Through a series of sketches or short-term film production assignments in the first two thirds of the quarter, you will develop a fluency in motion picture language, acquiring technical skills as well as a critical vocabulary for discussing creative work. In the last weeks of the quarter, students apply these new skills to a focused production project.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Design of Coffee	201810	ECH	001	A15	3.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Kuhl, Tonya	Lecture	M	6:10 PM – 7:00 PM	CALIFO	1100
Ristenpart, William	Lab	T	10:00 AM – 11:50 AM	EVERSN	126

Description:

Lecture—1 hour; laboratory—2 hours; project—1 hour. Non-mathematical introduction to how chemical engineers think, illustrated by elucidation of the process of roasting and brewing coffee. Qualitative overview of the basic principles of engineering analysis and design. Corresponding experiments testing design choices on the sensory qualities of coffee. Not open for credit to Chemical Engineering and Biochemical Engineering majors or students who have completed Chemical and Materials Science 5. GE credit: SciEng | SE, SL, VL.

Note: this course is a large 1-hour general population lecture, but Professors Tonya Kuhl and William Ristenpart will be teaching the small 24-person 2-hour lab.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Educational Psychology	201810	EDU	110	003	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Mundy, Peter	Lecture	TR	10:00 AM – 11:50 AM	ACADSR	2362

Description:

Lecture/discussion—4 hours. Learning processes, cognitive development, individual differences, testing and evaluation. GE credit: SocSci, Wrt | SS, WE.

The course is designed for students with intellectual curiosity about psychology and education, as well as student interested in teaching careers, or research careers in educational psychology. The class lectures, discussions, and assignments have been designed to provide students with a deeper understanding of the practical and theoretical issues involved in applying the science of psychology to benefit the education for all groups of children in preschool through secondary school. Course content will allow you to study and discuss the applications of research on child development, learning and cognition, social-emotional development, clinical psychology, educational science, neuroscience and social psychology to effective school-based education for children

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Human Rights Film	201810	FMS	125	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Fisher, Jaimey	Lecture	W	3:10 PM – 6:00 PM	YOUNG	194

Description:

Lecture—3 hour(s); Film Viewing—3 hour(s). Prerequisite(s): FMS 001. A study of one or more of the film genres (such as the documentary, the musical, film noir, screwball comedy, or the western), including genre theory and the relationship of the genre(s) to culture, history, and film industry practices. May be repeated up to 2 Time(s) when topic differs. Not open for credit to students who have completed HUM 125, unless topic differs. GE credit: AH, OL, VL, WE. Effective: 2012 Fall Quarter.

The course examines the history, development, and institutionalization of human rights through feature films and documentaries. It considers the possibilities, and consequences, of audio-visual depiction of political, social, economic, cultural questions relating to human rights. Each session engages and debates a specific theme of human rights issues, to be occasionally supplemented by short readings drawn from

important documents or scholarly writing about the relevant topics. The approach we shall take will be interdisciplinary, including: philosophical/ethical, historical, socio-political, and film-analytical perspectives.

Topics covered include: colonialism, the impact of the World Wars on the history of human rights; protecting racial, gender, and generational difference in human rights; understanding differences in myriad regions of the world, including: East Asia, Africa, Latin America, and the Middle East. To comprehend how human rights are understood and represented in our mass-media world, students will also learn the basics of film analysis (e.g., film's different levels of meaning, including technical terms) in the class.

Films will be made available to students to watch in preparation for class; except for the first day, we shall not be watching entire films in class (just short clips for discussion).

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Themes in World History: The British Empire	201810	HIS	110	001	4.000
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Sen, Sudipta	Lecture	TR	1:40 PM – 3:00 PM	OLSON	207

Description:

Lecture—3 hours; term paper. Recommended: upper division standing. Issues and topics in world history. Topics will emphasize the interaction of diverse regions of the world as well as common patterns of historical change. May be repeated for credit if topic and/or instructor differs. GE credit: ArtHum or SocSci, Div, Wrt | AH or SS, WC, WE.

This is a seminar on the history of the rise and expansion of the British Empire in the eighteenth and nineteenth centuries, focusing mostly on India and Africa. It explores social and cultural implications of military conquest, economic exploitation, colonial rule and imperial policy. It begins with the establishment of British rule in India leading to the establishment of the British Raj as the cornerstone of a far-flung Empire that stretched at its zenith from the Straits of Gibraltar to the Straits of Malacca. It also explores how ideas, policies and practices of imperialism were introduced into parts of the African continent in the age of European inroads, and some of their consequences for indigenous society. We shall discuss how the ideology of empire and colonial expansion was sustained over such a long period of history, what its relationship was to the notion of Englishness and the idea of a Greater Britain, and how empires were represented by rulers for themselves and to those that they sought to rule.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Special Topics in Natural Science and Mathematics: Relativity	201810	IST	008A	001	4.000
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Wittman, David	Lecture	MW	12:10 PM – 1:30 PM	BAINER	1060
	Discussion	MW	1:40 PM – 2:00 PM	BAINER	1060

Description:

Lecture—3 hours; discussion—1 hour. Group study of a special topic in natural sciences and mathematics. Course varies with topic offered. Limited enrollment. May be repeated for credit. GE credit: SciEng, Wrt | SE, SL.

Einstein's theory of relativity is one of the triumphs of modern science. Although it has a reputation for being difficult to understand, beginning students can actually master much of it by using appropriate logical and graphical thinking tools. In this course we will start by thoroughly understanding the basic idea of relativity as understood by Galileo; no prior knowledge of physics is assumed. We will then devote about half the quarter to the modern understanding of relativity without gravity (known as special relativity) using these tools: careful construction of logical arguments, space-time diagrams, and a small bit of algebra. When we add gravity (known as general relativity) in the final weeks, these tools will be enough to gain a very solid conceptual understanding. By the end of the course you will be able to understand the twin paradox, time travel, and black holes.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Special Topics in Social Sciences: Race and Media	201810	IST	008C	003	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Ruiz, Jeanette	Lecture	MW	10:00 AM – 11:50 AM	KERR	386

Description:

Lecture—3 hours; discussion—1 hour. Group study of a special topic in social sciences. Course varies with topic offered. Limited enrollment. May be repeated for credit. GE credit: SocSci, Wrt | SS.

Examines how race and ethnicity as social categories are shaped by communication media; focuses on the impact of race and ethnicity role portrayals in content and style of news, television and cinema.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Calculus for Biology and Medicine	201810	MAT	017A	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
TBD	Lecture	MWF	10:00 AM – 10:50 AM	WELLMN	212
	Discussion	R	7:10 PM – 8:00 PM	WELLMN	229

Description:

Lecture—3 hours; discussion—1 hour. **Prerequisite: two years of high school algebra, plane geometry, plane trigonometry, and analytical geometry, and satisfying the Mathematics Placement Requirement.** Introduction to differential calculus via applications in biology and medicine. Limits, derivatives of polynomials, trigonometric, and exponential functions, graphing, applications of the derivative to biology and medicine. Not open for credit to students who have completed course 16B, 16C, 21A, 21B, or 21C; only 2 units of credit to students who have completed course 16A. GE credit: SciEng | QL, SE, SL.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Calculus	201810	MAT	021B	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Zahariuc, Adrian	Lecture	MWF	12:10 PM – 1:00 PM	WICKSN	1020
	Discussion	R	5:10 PM – 6:00 PM	OLSON	205

Description:

Lecture—3 hours; discussion—1 hour. **Prerequisite:** course 21A or 21AH. Continuation of course 21A. Definition of definite integral, fundamental theorem of calculus, techniques of integration. Application to area, volume, arc length, average of a function, improper integral, surface of revolution. Only 2 units of credit to students who have completed course 16B, 16C, 17B, or 17C. GE credit: SciEng | QL, SE, SL.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
The Music of a Major Composer: Mozart	201810	MUS	110D	A01	4.000
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Busse Berger, Anna Maria	Lecture	TR	10:00 AM – 11:50 AM	MUSIC	203

Description:

Lecture—3 hours; discussion—1 hour. The work of Mozart will be studied in the context of his time and his contemporaries. Lectures, discussion/guided listening sections, and selected readings. For non-majors. Offered in alternate years. GE credit: ArtHum, Wrt | AH, VL, WC, WE.

This course consists of lectures, readings, and directed listening designed to introduce the student to ways of understanding Mozart's masterworks. In general, the lectures deal with the concepts and technical procedures relevant to the week's listening selections. The musical works are presented in chronological order and by genre. We will visit concerts or attend an opera performance.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Native American Art Studio	201810	NAS	034	001	4.000
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Tsinhnahjinnie, Hulleah	Lecture	MW	9:00 AM – 9:50 AM	HART	1401
	Studio	MW	10:00 AM – 11:50 AM	HART	1401

Description:

Lecture—2 hours; studio—6 hours. Limited enrollment. Studio projects to be influenced by contemporary and traditional Native American arts. Examples of designs and media presented in lectures will be of indigenous origin. Introduction and familiarized with various materials and techniques. GE credit: ArtHum | ACGH, AH, DD, OL, VL, WC.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Life, Meaning and Identity	201810	RST	110	001	4.000
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Janowitz, Naomi	Lecture	TR	10:30 AM – 11:50 AM	CURRANT	163

Description:

Lecture/discussion—3 hours; term paper. Study of religious lives, the quest for meaning and for personal identity; how religions frame the problems of life; how cultural and personal crises affect youthful identity; the nature and structure of dreams, myths, and ideals. GE credit: AH, WE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Elementary Statistics	201810	STA	013	TBD	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Drake, Christina	Lecture	MW	12:10 PM – 1:30 PM	HART	1128
	Discussion	MW	1:40 PM – 2:00 PM	HART	1128

Description:

Lecture—3 hours; discussion—1 hour. **Prerequisite: two years of high school algebra or Mathematics D.** Descriptive statistics; basic probability concepts; binomial, normal, Student's t, and chi-square distributions. Hypothesis testing and confidence intervals for one and two means and proportions. Regression. Not open for credit to students who have completed course 13V or higher. GE credit: SciEng | QL, SE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Rhetorical Approaches to Scientific and Technological Issues	201810	UWP	120	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Perrault, Sarah	Lecture	MW	12:10 PM – 1:30 PM	THE GROVE	1360

Description:

Lecture/discussion—3 hours; extensive writing. Waived: Restricted to upper-division standing. Application of rhetorical theories to scientific issues. Topics include: Rhetorical dimensions of scientific knowledge-making; scientific voice; rhetorical figures in science; incommensurability and demarcation; epistemology, definition, and classification; science wars; models of scientific literacy and accommodation, and implications for risk communication. Offered in alternate years. GE credit: ArtHum or SciEng | AH or SE, WE.