

**University Honors Program  
Course Offering Descriptions  
Winter 2018**

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.

Please review the course descriptions below. You should select your **top five** classes. The course selection survey will be sent on **Tuesday, October 24, at 11:50 AM.**

You can register for one UHP course during **Pass 1 or Pass 2**. Request for a second course cannot be made until December 15<sup>th</sup>. All of the Honors courses are capped at 25 students each, except for ECH 1, MAT 17B, MAT 21C, which are capped at 24, 30, and 20, respectively. Each UHP student must complete three UHP courses during the 2017-2018 academic year, and taking a second course during Winter 2018 does not waive the Spring 2018 requirement.

**\*\*UHP courses must be taken for a letter grade; course changed to P/NP grading will not count toward UHP requirements.\*\***

**COURSE OFFERINGS**

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Introduction to Stars, Galaxies and the Universe	201801	AST	10G	002	3.000

  

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Wittman, David	Lecture	MWF	11:00 AM - 11:50 AM	GIEDT	1006

**Description:**

Lecture—3 hours. Non-mathematical introduction to astrophysics of the Universe beyond our solar system using concepts of modern physics. Not open for credit to students who have taken Astronomy 2, the former Astronomy 10, any quarter of Physics 9 or 9H, or any upper-division physics course (other than 137 or 160). GE credit: SciEng | SE, SL, VL.

**NOTE:** The course description for AST 10G found in the UC Davis General Catalog does not reflect the content of the AST 10G course offered for the UHP. Refer to this document and course flyer for a correct description of the AST 10G course for the UHP.

Did you know that most atoms in your body were once deep inside a massive star? That black holes really exist? That the universe is 13.7 billion years old? In this survey of modern astronomy, you will come to understand how human beings figured these things out, and practice your scientific reasoning skills in the process. We will start with a very brief orientation to our home solar system and then zoom out progressively to other stars; the bizarre stellar graveyard of white dwarfs, neutron stars and black holes; our galaxy and other galaxies; and finally cosmology, the study of the universe on the largest scales.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Major Works of Western Culture	201801	COM	002	001	4.000

  

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Ross, Cheri	Lecture	TR	2:10 PM – 4:00 PM	WELLMN	107

**Description:** Lecture/discussion—4 hours. Introduction to the methods of inquiry applied to critical reading and the practice of writing. Focus on texts from the European Middle Ages to the eighteenth

century; critical analysis of the historical-cultural developments in this period. GE credit: ArtHum, Wrt | AH, WC, WE.

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TITLE	TERM	SUBJ	CRSE	SEC	CREDITS		
The Origins of Rhetoric	201801	CLA	110	001	4.000		
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM		
Seal, Carey	Lecture	TR	12:10 PM – 1:30 PM	OLSON	105		

**Description:**

Lecture—3 hours; term paper. Issues in the development of rhetoric from its origins in ancient Greece to A.D. 430. Special attention to works of Plato, Aristotle, Cicero, and Quintilian. Role of grammar and rhetoric in schools of Roman Empire. The Christian rhetoric of Saint Augustine. Not open for credit to students who have completed Rhetoric and Communication 110 or Communication 110. (Former course Rhetoric and Communication 110.) GE credit: ArtHum, Wrt | AH, WE.

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TITLE	TERM	SUBJ	CRSE	SEC	CREDITS		
Design of Coffee	201801	ECH	1	A15	3.000		
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM		
Ristenpart, William	Lecture	M	6:10 PM - 7:00 PM	SCILEC	123		
Kuhl, Tonya	Lab	T	10:00 AM - 11:50AM	EVERSN	126		

**Description:**

Lecture/laboratory—2 hours; project —1 hour This class is intended to serve as a non-mathematical introduction to how engineers approach and solve problems, as elucidated by the process of roasting and brewing coffee. The instructors will provide qualitative overviews of the basic principles of engineering analysis and design, and then guide the students in corresponding laboratory experiments testing the effect of design choices on the sensory qualities of coffee. In this manner, students will learn that even a process with only two “chemicals” – coffee beans and water – can have tremendous variability depending on the design choices. May be repeated two times for credit if content differs. 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

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TITLE	TERM	SUBJ	CRSE	SEC	CREDITS		
World Economic History	201801	ECN	110B	001	4.000		
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM		
Meissner, Christopher	Lecture	MWF	1:10 PM – 2:00 PM	WELLMN	235		

**Description:**

Lecture—3 hours; discussion—1 hour. **Prerequisites will be waived.** Development and application of analytical models to explain the nature and functioning of economies since the Industrial Revolution. Examples will be drawn from a variety of societies, including England, China, Germany, and India. GE credit: SocSci | SS.

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TITLE	TERM	SUBJ	CRSE	SEC	CREDITS		
International Economic Relations	201801	ECN	162	001	4.000		
INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM		
Swenson, Deborah	Lecture	TR	1:40 PM -3:00 PM	OLSON	105		

**Description:**

Lecture—3 hours; discussion—1 hour. **Prerequisites will be waived.** International trade and monetary relations, trade policy, exchange rate policy, policies toward international capital migration and investment. Emphasis on current policy issues. Course intended especially for non-majors. Not open for credit to students who have completed course 160A or 160B. GE credit: SocSci | SS, WC.

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<b>TITLE</b>	<b>TERM</b>	<b>SUBJ</b>	<b>CRSE</b>	<b>SEC</b>	<b>CREDITS</b>
Weird, Eerie, Fantastic, and Magical Literature, 1880 to the present	201801	ENL	40	001	4.000

  

<b>INSTRUCTOR(S)</b>	<b>TYPE</b>	<b>DAYS</b>	<b>TIME</b>	<b>BUILD</b>	<b>ROOM</b>
Dobbins, Gregory	Lecture	TR	3:10 PM – 4:30 PM	OLSON	207

**Description:**

Lecture/discussion—3 hours; film viewing—3 hours. Study of a topic centered on the relationships between literature and moving-image media. May be repeated two times for credit when topic differs. GE credit: ArtHum | AH, VL, WE.

**NOTE:** *The course description for ENL 40 found in the UC Davis General Catalog (and listed above) does not fully reflect the content of the ENL 40 course offered for the UHP. Refer to this document and course flyer for a correct description of the ENL 40 course for the UHP.*

The focus of this course will be on 'Weird' and 'Eerie' Literature, a strain of Horror/Occult/Esoteric/Science Fiction which may concern the supernatural and/or the extraterrestrial, but is distinct from more specific sub-genres with which those terms are usually identified. It begins sometime in the mid-19th century and continues up to the present day, and encompasses fiction, non-fiction, poetry, and film among other mediums.

Just as the acceleration of modernization in the mid-19th century placed an emphasis on scientific certainty and rationality, a wide disparate variety of writers and artists formulated an alternative trajectory that appears to question such exactitude. "Weird Fiction", a term invented by H.P. Lovecraft to describe his own writing and influences, is defined by its fundamental inexplicability. While there may be a place for ghosts, demons, witches, werewolves, vampires, aliens, or zombies in Weird Fiction (indeed, some of these entities will be making cameo appearances in the course of our reading), they are for the most part known and knowable. What makes Weird Fiction "weird" is the sense that there never really is an adequate explanation for the supernatural events that take place in these narratives.

"Eerie Fiction" is related to Weird Fiction, but departs from a slightly different premise. Unlike in Weird Fiction, in which narratives occur because something is present which should NOT be there according to logic and a rational understanding of "reality" (i.e., "this and that don't belong together in a logical sense"), Eerie Fiction is characterized by something fundamentally logically wrong with that which should make sense, or even the complete absence of that which makes something make sense (i.e. "this situation cannot be, because something is not functioning properly or is missing altogether").

While the constitutive gap between that which is and that which should not be is the source of both the pleasure and terror found in Weird and Eerie Fiction (and for the most part, both types of fiction are found as often in popular culture as they are in the traditional canon), it also raises a crucial question: is that which is understood in rational and realistic terms to be "natural" really that-- or is it actually something else entirely? The texts for this class will be listed below once they have been ordered, but we will be reading various works by writers like Edgar Allan Poe, Ambrose Bierce, Oscar Wilde, Arthur Conan Doyle, W.B. Yeats, Charlotte Perkins Gilman, M.R. James, Arthur Machen, H.P. Lovecraft, Shirley Jackson, Daphne DuMaurier, and Thomas Ligotti.

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<b>TITLE</b>	<b>TERM</b>	<b>SUBJ</b>	<b>CRSE</b>	<b>SEC</b>	<b>CREDITS</b>
Themes in World History: Race and Color in the Pre- Modern Islamic World	201801	HIS	110	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Tezcan, Baki	Lecture	TR	10:30 AM – 11:50 AM	SOCSCI	273

**Description:**

Lecture—3 hours; term paper. This course explores the question of race in the pre-modern Islamic World with a view to construct a critical language about relationships of power affected by skin color in pre-modern non-western contexts without rejecting the specificity of the modern concepts of race and racism that developed in the historical context of European colonialism. Feel free to contact the professor by e-mail if you have any questions about this course: [btezcan@ucdavis.edu](mailto:btezcan@ucdavis.edu). GE credit: ArtHum | AH or SS, VL, WC, WE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Latin American Social Revolution	201801	HIS	165	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Schlotterbeck, Marian	Lecture	TR	1:40 – 3:00 PM	HICKEY	290

**Description:**

Lecture—3 hours; written reports. Major social upheavals since 1900 in selected Latin American nations; similarities and differences in cause, course, and consequence. Offered in alternate years. GE credit: ArtHum or SocSci | AH or SS, WC, WE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Human Wrongs/Human Rights	201801	HMR	001	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Watenpaugh, Keith	Lecture	MW	10:00 AM – 11:20 AM	SHREM	1001
	Discussion	MW	11:30 AM – 11:50 AM	SHREM	1001

**Description:**

Lecture—2 hours. Introduction to Human Rights and the problems they seek to address. Using key episodes of inhumanity like slavery, genocide, and racism. Examines how international movements for social justice led to the emergence of the international Human Rights system. GE credit: ArtHum or SocSci | AH or SS, WC, WE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Introduction to Data Sciences	201801	IST	8C	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Stahmer, Carl	Lecture	TR	9:00 AM - 10:50 AM	SHIELDS	360

**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.—I, II, III. (I, II, III.)

**NOTE:** The course description for IST 8C found in the UC Davis General Catalog (and listed above) does not fully reflect the content of the IST 8C course offered for the UHP. Refer to this document and course flyer for a correct description of the IST 8C course for the UHP.

Data Science is a broad term that encompasses a wide range of methods and practice. This course serves as an introduction to the history and current state of the art of Data Science, particularly as it is applied to humanities and social science research. Touchstone theoretical, cultural, and technical advances that have led to our understanding of Data Science as a discipline will be introduced and

discussed, and students will be introduced to a range of Data Science methods through case studies, demonstration, group activities, and discussion. This course is not a technical practicum, and no programming experience (or even a desire to be a programmer) is required. Students who complete the course will have an understanding of the scope and limits of Data Science methods, learn how to evaluate Data Science outputs, and be well situated to pursue further coursework in Data Science methods.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Calculus for BioSci	201801	MAT	017B	D01	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Burke, Korana	Lecture	MWF	10:00 AM - 10:50 AM	CHEM	166
	Discussion	R	5:10 PM - 6:10 PM	RESSLR	55

**Description:**

Lecture—3 hours; discussion—1 hour. **Prerequisite: course 16A, 17A, or 21A.** Introduction to integral calculus and elementary differential equations via applications to biology and medicine. Fundamental theorem of calculus, techniques of integration including integral tables and numerical methods, improper integrals, elementary first order differential equations, applications in biology and medicine. Not open for credit to students who have completed course 16C, 21B, or 21C. Only 2 units of credit for students who have completed course 16B. GE credit: SciEng | QL, SE, SL.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Calculus	201801	MAT	21C	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Liu, Fu	Lecture	MWF	10:00 AM – 10:50 AM	BAINER	1132
	Discussion	T	6:10 PM – 7:00 PM	YOUNG	192

**Description:**

Lecture—3 hours; discussion—1 hour. **Prerequisite: course 16C, 17C, 21B, or 21BH.** Continuation of course 21B. Sequences, series, tests for convergence, Taylor expansions. Vector algebra, vector calculus, scalar and vector fields. Partial derivatives, total differentials. Applications to maximum and minimum problems in two or more variables. Applications to physical systems. GE credit: SciEng | QL, SE.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Music of the Beatles	201801	MUS	116	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Reynolds, Christopher	Lecture	MW	12:10 PM - 2:00 PM	MUSIC	203

**Description:**

Lecture—3 hours; listening—1 hour. Prerequisite: completion of course 10 or course 3A or consent of instructor. Survey of music of The Beatles, focusing on the songs of Lennon and McCartney. Emphasis on understanding their evolution as musicians, composers and cultural figures. Discussion of their musical influences in wider cultural contexts. GE credit: AH, VL, WC.—S. (S.) Reynolds

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Music from Latin America	201801	MUS	127	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Ortiz, Pablo	Lecture	TR	9:00 AM – 10:20 AM	MUSIC	203
	Discussion	TR	10:30 AM – 10:50 AM	MUSIC	203

**Description:**

Lecture—3 hours; discussion—1 hour. Examination of music from Latin America. Characteristic music (i.e., tango, bossa nova, salsa, musica motena, musica andina) as well as its implications in other musical genres. Taught in Spanish. Not open to students who taken Spanish 171 and 171S. (Same course as Spanish 171) May be repeated one time for credit when topic differs. Offered in alternate years. GE credit: ArtHum | AH, WC.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS	
Genetic Engineering in Medicine, Agriculture, and Law	201801	SAS	70A	001	5.000	
		BIS	98	014	2.000*	P/NP ONLY

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Harada, John	Lecture	TR	3:10 PM - 7:00 PM	OLSON	227
	Wed	W	6:10 PM – 8:00 PM	TBD	TBD

**Description:**

Lecture—5 hours. Not open to students who have completed (BIS02A) and (BIS02B) and (BIS 02C); concurrent enrollment in Plant Biology 98 required. Historical and scientific study of the impact of genetic engineering in medicine, agriculture, and law, including examination of social, ethical, and legal issues raised. Offered in a distance-learning format. GE credit: SciEng or SocSci | SE or SS, SL.

\*BIS 98 discussion section is a variable unit course. Students must select 2 units.

**NOTE: SAS 70A/BIS 98 counts as 2 UHP courses.** This means that either a) this course may be used to make up for a previously missed UHP course while also satisfying the Winter 2018 course requirements or b) it may be used to satisfy both the Winter 2018 and Spring 2018 course requirements.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Self and Society	201801	SOC	002	001	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Faris, Robert	Lecture	MW	12:10 PM - 1:30 PM	BAINER	1130
	Discussion	MW	1:40 PM - 2:00 PM	BAINER	1130

**Description:**

Lecture—3 hours; discussion—1 hour. Exploration of how self and identity are formed and transformed by socialization and social interaction in relation to roles, groups, institutions, power, and social change. Consideration of how people make decisions, fall in love, and come to blows. GE credit: SocSci, Wrt | ACGH, DD, SS.

TITLE	TERM	SUBJ	CRSE	SEC	CREDITS
Farm to Fork: Food, Agriculture and Society (Comparative Perspectives: Israel, California and Palestine)	201801	SOC	195	004	4.000

INSTRUCTOR(S)	TYPE	DAYS	TIME	BUILD	ROOM
Grosglik, Rafi	Lecture	TR	10:30 AM - 11:50 AM	SOCSOCI	2234

**Description:**

Seminar—3 hours; term paper. Prerequisite: course 1, 2, or 3 recommended. In-depth examination of topics in sociology. Emphasis on student research and writing. May be repeated for credit when topic differs. GE credit: SocSci | SS.

**NOTE:** *The course description for SOC 195 found in the UC Davis General Catalog (and listed above) does not fully reflect the content of the SOC 195 course offered for the UHP. Refer to this document and course flyer for a correct description of the SOC 195 course for the UHP.*

This course examines agriculture and food as a lens through which to gain insight into our identities, the shape of our local communities and nations, as well as the emergence of a global society. Based on case studies from USA, Israel and Palestine, we will explore how food and agriculture are related to culture, politics, health and environment. We will examine the social, cultural, economic and political dynamics of food systems and food consumption. We will discuss some of the major issues and controversies in sociology of agriculture and sociology of food, and relate these to contemporary debates on globalization, industrialization, MacDonalidization, inequality, social justice, labor rights and environmental sustainability.

Readings cover the social and the socio-ecological consequences of industrial food systems from global and local perspectives, the green revolution, organic agriculture, fair trade, food localism, slow food, veganism, agricultural and culinary heritage, the role of science and technology in agro-food systems and more. In the final assignment, students will develop an analytical research paper on a topic related to class readings and discussions.

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