



**Honors Courses Fall 2019**

**(As of 5 March 2019 – watch for additional updates)**



**First Year Honors Foundation Course DISC  
2305 Honors Humanities Seminar I**

This course confronts profound ethical questions through considerations of history, literature, psychology, philosophy, and sociology. Beginning with a story by Flannery O'Connor that poses questions about ethical conduct, students explore texts and events that challenge the foundations of philosophical and religious ethical systems. The course also addresses contemporary ethical questions regarding individual freedom and responsibility and the meanings of "community."

**MWF**

<b>Section #</b>	<b>Prof</b>	<b>Time</b>	<b>Location</b>
001	Arbery	9:00 AM – 9:50 AM	Loyd Commons 104
002	Arbery	10:00 AM – 10:50 AM	Loyd Commons 104
003	Arbery	11:00 AM – 11:50 AM	Loyd Commons 104
004	Hopper	11:00 AM – 11:50 AM	Virginia-Snider 303
005	Hopper	12:00 AM – 12:50 AM	Virginia-Snider 303
006	Hopper	1:00 PM – 1:50 PM	Virginia-Snider 303
014	Miller	1:00 PM – 1:50 PM	Armstrong Commons 126

**TuTh**

<b>Section #</b>	<b>Prof</b>	<b>Time</b>	<b>Location</b>
007	McConnell	9:30 AM – 10:50 AM	Boaz Commons 136
008	McConnell	11:00 AM – 12:20 PM	Boaz Commons 136
011	Atkinson	11:00 AM – 12:20 PM	Crum Commons 132
013	Bozorth	12:30 PM – 1:50 PM	McElvaney Commons 137
009	McConnell	12:30 PM – 1:50 PM	Boaz Commons 136
010	McConnell	2:00 PM – 3:20 PM	Boaz Commons 136
012	Spencer	2:00 PM – 3:20 PM	Loyd Commons 104

**ALL FIRST-YEAR HONORS STUDENTS MUST ENROLL IN DISC 2305 DURING THE FALL SEMESTER**

## WAYS OF KNOWING AND UHP COURSES

### **KNW 2300.L03H Introduction to Engineering Design**

*Andrew Quicksall*

W 6:30-9:30PM

Section L03 is the Honors Section, and only students in this section can receive Honors credit for Introduction to Engineering Design. This course introduces engineering design methodologies and basic teaming skills. Students participate on a team in a term-long, multidisciplinary design experience in which each student provides basic engineering capabilities in mechanical, software, electronic, civil, and/or environmental systems. Each team designs a robot that achieves stated design objectives while operating autonomously, with as little human interaction as possible. Teams submit group design memos documenting the evolution of the design. Each team makes a preliminary design presentation and report and a final design presentation and report. A competition is held at the end of the term.

Prerequisites or co-requisites: MATH 1337 and one of CEE 1302, CSE 1341, EE 1322, EMIS 1360, or ME 1202/1102.

#### Recommended course for first year Honors students in Engineering

Restricted to Honors Engineering Students

*UC2016: Ways of Knowing and Oral Communication*

### **KNW 2367 The Greater Dallas Experience**

David Doyle, Lucas Kirkpatrick, Elizabeth Russ

MWF 11-11:50am, Harold Simmons 101

This course will introduce students to the Greater Dallas environment and to the different ways in which a city and a region can be studied. The major objective is to develop students' knowledge of the peoples, institutions, and places in Greater Dallas and know how these are related to one another. The course will introduce students to multiple disciplinary perspectives and how these can be used to develop a sophisticated and complex understanding of a single metropolitan area. At the end of the course, students will demonstrate their grasp of at least two disciplinary approaches to understanding the city. Through weekly classroom discussion, written assignments, examinations, and group projects, students will demonstrate their abilities to read, write, and speak carefully and critically as well as to conduct primary research.

*UC 2016: Ways of Knowing, Human Diversity, Writing Proficiency*

### **UHP 2100.001H Sophomore Honors Research Seminar**

Tu 4-5pm. Scholars' Den

### **UHP 2100.002H Sophomore Honors Research Seminar**

W 4-5pm, Scholars' Den

The purpose of this course is to help Honors students realize their full academic potential. The semester will be focused on ways to foster a broader awareness of the liberal arts and science traditions, goals, and challenges including hands-on experience in putting together an individual research project, preparation for future upper level courses, research funding proposals, or an

Honors project in the major. The course will also include a review of some of the significant resources available to the SMU student.

*UC 2016: Information Literacy*

### **UHP XXXX.001H – Second-Year Humanities Seminar (Pending Approval)**

## **MATH AND SCIENCE COURSES**

### **BIOL 4380 Gene Editing Lab**

*Alejandro D'Brot*

Tu 2-3:50pm and Th 2-4:50pm, Dedman Life Sciences 128

This lab course will introduce students to genome editing techniques. We will focus on the CRISPR/Cas9 genome editing system, learn how it works at a molecular level and use it to carry out a genome editing project in a model organism from conceptual design to finish. Students will also be taught how to read scientific literature. We will read and discuss three articles highlighting how CRISPR/Cas9 is being deployed to cure genetic diseases.

Note: This course has three lab hours and two lecture hours a week.

Prerequisites: Students who enroll in this course are expected to have completed Genetics (Biol 3304) and Cell Biology (Biol 3350) with a C- or better grade. Students are also expected to have basic laboratory research experience.

### **MATH 3302.002H Calculus III**

Instructor TBA

MWF 11-11:50AM, Dallas Hall 142

Calculus III can be seen as simply extending Calculus I and II into the 3-dimensional world in which we live. The derivative in one variable is extended to the idea of partial derivatives in several variables. In parallel, integrals in one variable are extended to the cases of double and triple integrals in two and three variables. Next we study integrals along curves and surfaces, and how these tools help us to understand the behavior of vector fields. Finally we will use this knowledge to develop an understanding of differentiation and integration of vector fields, and to obtain governing equations for a wide variety of real-world physical phenomena. The honors version of this course will include supplemental material not found in the regular version, including computational approaches to visualization and calculation using MATLAB, variational calculus and functional minimization, extra focus on non-cartesian co-ordinates, and increased discussion of the application of vector calculus results to continuum modeling. To make time for these enrichment topics, students will be expected to perform significant pre-class readings, and occasionally cover the simpler course topics on their own.

## **PHYS 1010.001H Honors Introductory Physics**

Instructor TBA

M 5:00-7:50PM

Students will engage in a semester long “Grand Challenge” problem-solving exercise. This will define the arc of the semester, setting the tone for planning our classroom activities and eventually defining the deliverable at the end of the course. In between class periods relevant to the development of solutions to the Grand Challenge Problem, the students will be engaged in demonstrations of physics principles and exercises to explore these demonstrations. These class periods will follow a pattern consistent with the scientific method: observation of a physical phenomenon, hypothesis building to explain the phenomenon, and calculation and testing to assess the hypothesis.

Recommended course for first-year Honors students (must be taken in conjunction with PHYS 1303, 1304, 1307, 1308)

## **ARTS, HUMANITIES, AND SOCIAL SCIENCE COURSES**

### **ECO 1311.001H Principles of Macroeconomics: Consumers, Firms, and Markets**

Raj Deb

TuTh 9:30AM-10:50AM, Umphrey Lee 243

This course studies the production of the entire economy, dealing with such issues as the general price level, the national employment rate, government spending, and the nation’s money supply. Important to these issues is the definition and measurement of macroeconomic aggregates such as gross domestic product, consumer price index, the unemployment rate, and the government surplus and deficit. The course looks at the determinants of inflation and the relationship between inflation and other factors, including interest rates, the money supply, and unemployment.

Students must have background in calculus to enroll in this course.

This course counts towards Honors requirement and major prerequisites, but does not satisfy a UC Pillar requirement.

*UC2016: Quantitative Reasoning*

### **ENGL 2390.001H Introduction to Creative Writing: Getting Started as a Poet**

Greg Brownderville

TuTh 11:00AM-12:20PM, Dallas Hall 120

This course is a poetry workshop, where timeless themes meet the new words of now. Students will write and revise their own poems, respond both verbally and in writing to one another’s work, and analyze published poems in short critical essays. In-class workshops will demand insight, courtesy, and candor from everyone in the room, and will help students improve their oral-communications skills. There is no textbook; the instructor will provide handouts. As this is an introductory course, prior experience in creative writing is not necessary.

*UC 2016: Creativity and Aesthetics and Writing*

## **HIST 1322.001H Introductory Topics in European History: Queens & Mistresses**

Kathleen Wellman

TuTh, 11:00 AM – 12:20 PM, Dallas Hall 106

This course is designed to introduce first year students to the history of early modern France, the history of women, and the discipline of history by focusing on a series of French queens and royal mistresses as a way to explore these issues. Readings include: 1) Michael Baxandall, *Painting and Experience*; 2) R. J. Knecht, *Renaissance France*; 3) Marguerite de Navarre, *Heptameron*; 4) Marguerite de Valois, *Memoirs*; 5) Merry Wiesner-Hanks, *Women and Gender in Early Modern Europe*.

Recommended course for first year UHP students.

*UC2016: Historical Context, Oral Communication, and Writing*

## **HIST 2325 Human Rights in Modern South Asia**

Rachel Ball-Phillips

W 6:00-9:00 PM, Room TBA

HIST/HRTS 2325: Human Rights in Modern South Asia provides students with an in-depth examination of some of the most pressing human rights issues in twentieth-century South Asia. From violations of women's rights to the relationship between environmental justice and human rights, this course will cover a number of issues relevant in the subcontinent today. This class will be largely discussion based, as we trace violations of human rights from the Partition of India, which resulted in the largest mass migration in human history, to the contemporary violence that occurs between Hindus and Muslims. Students will have the opportunity to further understand human rights through popular culture, examine the most relevant scholarship, and engage with the most recent media on human rights abuses in South Asia.

Honors students will lead groups for the final film festival project. Designed as a mini-film festival, students work in groups to select a film related to a human rights issue in India, introduce the class to the topic and film, show clips of the film to the class, and answer questions from their classmates. Honors students will have the opportunity to hone leadership skills that will benefit them both inside and outside the classroom.

*UC 2016: Historical Context, Global Engagement, Human Diversity, and Oral Communication*

## **PHIL 1306.002H Introduction to Philosophy: Minds, Machines, and Persons**

Brad Thompson

TuTh 3:30-4:50PM

A general introduction to the central questions of philosophy. We will discuss topics from such areas as the theory of knowledge, philosophy of religion, metaphysics, philosophy of mind, ethics, and political philosophy. Typical questions might include: Can we know the world outside our minds? Is it rational to believe in a God who allows evil to exist? Do the laws of physics allow for human freedom? Is morality more than a matter of opinion? Can there be unequal wealth in a just society? Readings will include classical authors such as Plato, Descartes, Locke, Hume, and Mill, as well as contemporary philosophers. The focus of the course will be on arguments for and against proposed solutions to key problems in philosophy.

Recommended course for first-year Honors students

*UC2016: Philosophical, Religious, & Ethical Inquiry*

**PHIL 1319.001H Technology, Society, and Value**

Kenneth Daley  
MWF 9-9:50AM

Advances in technology are raising many ethical issues that require serious considerations. We will discuss issues surrounding such technologies and how they affect the views of warfare, privacy, human enhancement, and artificial intelligence.

*UC2016: Philosophical, Religious, & Ethical Inquiry and Technology & Mathematics*

**PLSC 1320.003H Introduction to American Government**

Joseph Kobyłka  
TuTh 11–12:20PM, Dallas Hall 142

The organization, functions, and processes of the national government, with particular attention to parties, pressure groups, and other forces that influence its course. Attention is also given to the Texas Constitution.

Recommended course for first-year Honors students

*UC 2016: Individuals, Institutions, & Cultures*

**PLSC 1340.002H Introduction to Comparative Politics**

Michael Lusztig  
MWF 10:00 AM –10:50 AM, Florence Hall 307

Analyzes and contrasts different patterns of national political development in Western, Marxist-Leninist, and Third World countries. Political dilemmas confronting each type of system will be examined.

Recommended course for first-year Honors students

*UC2016: Individuals, Institutions & Cultures*

**PLSC 4336.002H Civil Liberties: First Amendment and Privacy**

Joseph Kobyłka  
TuTh 2:00 PM –3:20 PM, Dallas Hall 156

Examines the place and treatment of expression, religion, and personal autonomy in the American Constitution and in the cases in which the Supreme Court has defined and applied the Constitution.

*UC2016: History, Social, & Behavioral Science*

**RELI 3326.001H: New Testament**

Mark Chancey, Hyer 107

TuTh 12:30-1:50PM

How did the books that are in the New Testament become so culturally influential? Why did the early church ascribe the status of inspired scripture to some books but not others? How do those books reflect their ancient Jewish and Roman contexts? What light do the thousands of ancient manuscripts of Christian texts shed on the development of the New Testament? Explore these questions in "Introduction to the New Testament" (RELI 3326), a historical and literary overview of the 27 books included in the New Testament. Though this class will explore the theological claims made by these books, it is not taught from a theological perspective. No prior knowledge of the Bible needed!

*UC 2016: Humanities and Fine Arts*

**SOCI 2300.002H – Social Problems**

Anne Lincoln

TuTh 12:30-1:50PM

Examines social problems within the contexts of their particular societies and cultures; how a social problem is defined; and how solutions are shaped by politics, corporations, media interests, and social movements.

*UC 2016: Individuals, Institutions, & Cultures, Community Engagement, Human Diversity*