ADMISSION TO HONORS COURSES

Honors courses are designed, first of all, for Honors College members; however, any TTU student with a GPA of 3.0 or better is eligible to enroll in Honors courses as space permits.

For more information, contact: Honors College, McClellan Hall Room 103, (806) 742-1828; honors@ttu.edu

GRADUATION WITH HONORS DESIGNATIONS

Students must complete 24 hours in Honors courses to graduate from Texas Tech University with the transcript designation “with Honors from the Honors College.” See the Honors College Student Handbook on the web for more details.

A student who wishes to graduate with the transcript designation “with Highest Honors from the Honors College” must complete an Honors Thesis and 30 hours of Honors coursework. Permission from the Honors College is required before beginning the Honors Thesis. Students must maintain a 3.25 pure grade point average both to remain in the Honors College and to graduate with either of these Honors designations.

Students intending to graduate with either designation must file an “Intent to Graduate” form with the Honors College about one year prior to the graduation date. Honors College designations are listed on the transcript and the diploma. These are in addition to other distinctions graduates may earn, such as Magna Cum Laude.
Dear Honors Student,

Welcome to the Honors College course offerings booklet for the spring 2017 semester. Believe it or not, it's time to begin working on your spring 2017 schedule! Honors students can began registering via Raiderlink on Friday, November 4th (Honors seniors may register on Thursday, November 3rd).

Honors seniors and juniors will, for the most part, be exempted from mandatory advising this semester, although some may receive an email asking them to come in to discuss the completion of their Honors credit hours. Exempt upperclassmen can request Honors course permits by emailing a Permit Request Form (currently found on the Honors College website under Advising > Course Information) to an Honors advisor as early as possible for best chance of reserving a seat in requested classes. All upperclassmen will receive an email from an Honors advisor notifying them of their advising status; all other students will be required to schedule an advising appointment.

Honors advising is mandatory for all Honors freshmen and sophomores, and the Honors registration hold will not be moved forward until the student is advised in our office. Honors advising will begin on Tuesday, October 4th, with the following schedule (credit hours as of August 2016):

- Seniors and Juniors (60+ hrs.) October 4th – October 14th
- Sophomores (30-59 hrs.) October 17th – October 24th
- Freshmen (0-29 hrs.) October 25th – November 3rd

Advising appointments are limited, and permits into Honors courses are given on a first-come, first-served basis. Therefore, it is important to make an appointment as early as possible.

**PLEASE DO NOT CALL TO MAKE YOUR APPOINTMENT.** Students will receive an email from the Honors College providing a link to our online scheduling tool, Genbook, which is used for scheduling appointments. Genbook will be audited daily to ensure that all students’ appointments are made during the appropriate dates for their classification. Unauthorized appointments will be cancelled.

A list of all university classes to be offered in the fall term is available for students in the MyTech tab of Raiderlink (www.raiderlink.ttu.edu). Students should review both this booklet and the Tech course schedule on Raiderlink before the advising appointment and arrive with a preliminary schedule. The advising session will go quickly and smoothly if students will:

- Come prepared! Students will need to complete a Permit Request Form (currently found on the Honors College website under Advising > Course Information) by reviewing the university’s fall schedule and the Honors course booklet. Students without tentative schedules (including times/days of classes) will be asked to reschedule the Honors advising appointment.
- If you have questions concerning your degree requirements or additional registration holds, schedule an appointment with your primary advisor prior to your visit with the Honors College.
- Arrive on time. Since your appointment will only be scheduled for a short time period, it is imperative that you arrive on time and prepared. If you arrive late for your appointment, you will be rescheduled.
- Cancel your appointment beforehand if you are unable to make it. Any student who fails to notify us that he or she will miss an advising appointment will be rescheduled for November 4th or later.

Remember that registration for fall courses must be completed on the web. Your Honors advisor will not enroll in your fall courses. Thus, if you do not know your e-raider password, you need to call the IT Help Desk (742-HELP) prior to November 4th to ensure that your registration will be trouble-free. Happy scheduling!

-Honors College Advisors

Times, room numbers, and other course information are subject to change. *Be sure to check the Spring 2017 Course Booklet for changes.*
## SPRING 2017 COURSE OFFERINGS

Once a course is full, the course is closed. Students may elect to be placed on a waitlist for closed courses.

**FULL/CLOSED courses are listed in red text**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>CRN#</th>
<th>Instructor</th>
<th>Days</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCT 2301-H01</td>
<td>Managerial Accounting</td>
<td>45940</td>
<td>Prof. R. Viator</td>
<td>W</td>
<td>3:00-5:50 PM</td>
</tr>
<tr>
<td>ANSC 3405-H01</td>
<td>Advanced Physiology of Animals</td>
<td>54390</td>
<td>Prof. J. Neary</td>
<td>R</td>
<td>12:30-3:20 PM</td>
</tr>
<tr>
<td>ANSC 3401-H51</td>
<td>No-Credit Lab</td>
<td>54393</td>
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<td>R</td>
<td>3:30-5:20 PM</td>
</tr>
<tr>
<td>ANSC 4001-H01</td>
<td>Ethics in Research</td>
<td>29100</td>
<td>Prof. S. Prien</td>
<td>W</td>
<td>6:00-8:50 PM</td>
</tr>
<tr>
<td>ARCH 2315-H01</td>
<td>History of World Architecture II</td>
<td>55599</td>
<td>Prof. C. Ellis</td>
<td>TR</td>
<td>12:30-1:50 PM</td>
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<tr>
<td>ASTR 1400-H01</td>
<td>Solar System Astronomy</td>
<td>47540</td>
<td>TBD</td>
<td>MWF</td>
<td>3:00-3:50 PM</td>
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<tr>
<td>ASTR 1400-H51</td>
<td>No-Credit Lab</td>
<td>47576</td>
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<td>W</td>
<td>4:00-5:50 PM</td>
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<tr>
<td>ASTR 1400-H71</td>
<td>Discussion</td>
<td>54594</td>
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<tr>
<td>BECO 4310-H01</td>
<td>Applied Business Economics</td>
<td>55755</td>
<td>Prof. E. Cardella</td>
<td>TR</td>
<td>2:00-3:20 PM</td>
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</table>

**Prerequisites:**
- ACCT 2300 with a grade of B- or better and 3.0 GPA.
- ANSC 2202 with a grade of B- or better and Honors student status or consent of instructor.
- Prerequisites: B- or better in ECO 2302 or ECO 2305 or AAEC 2305.

Uses of accounting information for planning decisions about products and services, activities and processes, suppliers and customers, organizational subunits, and time periods, as these relate to organizations in changing environments.

**Prerequisite:**
- ANSC 2202 with a grade of B- or better and Honors student status or consent of instructor.

Physiology of domestic animals for advanced or Honors students. Lecture and lab emphasizing whole animal physiology.

**Prerequisites:**
- ANSC 2202 with a grade of B- or better and Honors student status or consent of instructor.

A discussion of ethical issues involving research, including topics of: an overview of ethics, conflicts of interest, plagiarism, data falsification, animal welfare, and other topics of ethical concern pulled from current events. Reading assignments will be based on 1) reports of the incident in the popular press; and 2) reports and commentary in the Scientific Journals. The latter may include review of the paper(s) triggering the controversy. We will also have three guest lecturers to specifically address topics of ethics in research involving humans, legal aspects of research, and the ethics of interacting with industry. Each student will also be required to write a paper on an ethical topic of the day. The paper will be written in a debate style with the student being required to champion both sides of an ethical argument. An interest in research is required.

**Prerequisites:**
- ANSC 2202 with a grade of B- or better and Honors student status or consent of instructor.

CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.

CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM VISUAL & PERFORMING ARTS REQUIREMENT.

CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM LIFE AND PHYSICAL SCIENCES REQUIREMENT.

**Prerequisites:**
- B- or better in ECO 2302 or ECO 2305 or AAEC 2305.

Economic analysis applied to business decisions and strategy. Topics may include business valuation, pricing strategy, risk management, contracts, and organizational economics.
**Biol 1404-H01**  
**Biology II**  
(CRN# 39712)  
Prof. M. Dini  
MW 2:00-3:20 PM

**Biol 1404-H51**  
**No-Credit Lab**  
(CRN# 39713)  
R 2:00-4:50 PM

**Prerequisite:** BIOL 1403 with a B- or better.  
**Co-requisite:** BIOL 1404-H51 Lab.

Fundamentals of organismal biology, population biology, and biological diversity. Second semester of an integrated course recommended for majors in biological and related sciences.

CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM NATURAL SCIENCE REQUIREMENT.  
CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.

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**Biol 4301-H01**  
**Biofilms**  
(CRN# 33138)  
Prof. C. Kruczek  
MWF 11:00-11:50 AM

**Prerequisite:** MBIO 3401 or MBIO 3400 with a grade of B- or better or instructor consent.

The course will cover the principles behind microbial biofilm formation and the role of biofilms in recurrent infections. The economic impacts of biofilm formation in various industries will also be examined. In addition, methods used to study and prevent/treat biofilm formation will be explored.

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**Chem 1308-H01**  
**Principles of Chemistry II**  
(CRN# 25855)  
Prof. D. Casadonte  
TR 9:30-10:50 AM

**Chem 1308-H02**  
**Principles of Chemistry II**  
(CRN# 52326)  
Prof. P. McLaurin  
TR 12:30-1:50 PM

**Chem 1308-H03**  
**Principles of Chemistry II**  
(CRN# 55757)  
Prof. D. Casadonte  
TR 11:00 AM-12:20 PM

**Chem 1308-H71**  
**Required Review Session**  
(CRN# 37059)  
Prof. P. McLaurin  
M 10:00-11:20 AM

**Chem 1308-H72**  
**Required Review Session**  
(CRN# 37060)  
Prof. D. Casadonte  
T 5:00-6:30 PM

**Chem 1308-H73**  
**Required Review Session**  
(CRN# 52350)  
Prof. P. McLaurin  
M 11:30 AM-12:50 PM

**Chem 1308-H74**  
**Required Review Session**  
(CRN# 55780)  
Prof. D. Casadonte  
T 3:30-4:50 PM

**Prerequisite:** CHEM 1307/1107 with a B- or better and C or better in college-level or AP High School calculus course.  
**Co-requisite:** Required Review Session (either H71, H72, H73, or H74); CHEM 1108 strongly recommended, any section; students with no college-level or AP High School calculus must take MATH 1451 as a co-requisite.

Now that you have some of the basics under your belt, see how you can apply them to some more advanced aspects of chemistry, the world around you, and maybe even to your career. This course continues what we started in CHEM 1307. We will cover chemical kinetics (Why do reactions go at different rates? What makes the processes of a diamond forming and a bomb exploding the same and different?), acid/base and ionic equilibrium (a must for medical school – ask anyone who has taken the MCAT), thermodynamics (great stuff for engineers), electrochemistry (it powers much in our lives), nuclear chemistry (a very relevant topic in this day and age), coordination chemistry (What makes compounds the colors that they are, anyway? What is chirality?), and much, much more.

CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM NATURAL SCIENCES REQUIREMENT.  
CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM LIFE AND PHYSICAL SCIENCES REQUIREMENT.

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**Chem 3306-H01**  
**Organic Chemistry II**  
(CRN# 25859)  
Prof. A. Harned  
MWF 9:00-9:50 AM

**Prerequisite:** CHEM 1307/1107, CHEM 1308/1108, CHEM 3305 with a grade of B- or better.  
**Co-requisite:** CHEM 3106 strongly recommended, any section.

Upon successful completion of this course, students will be able to: 1) Identify and predict reagents and products for the synthesis and reactions of alcohols, aldehydes, ketones, carboxylic acids and derivatives and aromatic compounds, including regiochemistry and stereochecmistry as appropriate. 2) Draw detailed mechanisms for representative examples of addition or addition/elimination reactions of carbonyl compounds and of electrophilic aromatic substitution. 3) Integrate their knowledge of reactions to propose new or modified reactions and multi-step syntheses and to relate these reactions to pharmaceutical and medicinal chemistry applications. 4) Interpret NMR spectra of organic molecules.

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**Clas 3340-H01**  
**Gender and Sexuality in the Classic World**  
(CRN# 55714)  
Prof. D. Lavigne  
TR 12:30-1:50 PM

Examination of the social and cultural dimensions of gender and sexuality in the ancient Greco-Roman world. Readings in English.

**THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM MULTICULTURAL REQUIREMENT.**
Equips students with the skills necessary for successful public speaking. Students will learn to prepare and deliver effective presentations, adapt to various audiences, and adjust to different speaking contexts. Emphasizes the application of public speaking theory.

**THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM ORAL COMMUNICATION REQUIREMENT.**

Verbal and nonverbal elements of oral communication are emphasized. Practice is provided in skills and principles associated with presentations, interviews, and meetings. The course fulfills the Oral Communication component of the University’s General Education requirements. The course is based on research evidence and business trends indicating that in addition to fundamental effectiveness in communication skills, quality presentation-making is one of the most prevalent and important job tasks in careers today. In light of this, presentation assignments in the course stress basic skills of idea generation, message development, and message delivery.

**THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM ORAL COMMUNICATION REQUIREMENT.**

This is the second course in a two-course sequence introducing students to the principles of economics. This study of macroeconomics looks at the entire economy and the aggregates or total levels of income, employment, and output that measure the performance of the whole economy. To understand how the economy works, this course provides a blend of economic theory, institutional material, and real-world applications. The determinants and policy implications of short-term fluctuations in output and long-term economic growth are discussed. A large portion of class time will be used to discuss related questions in which you might be interested. Also, due to the nature of this course, a good part of each class will be reserved to discuss many contemporary events that are related to macroeconomic theory and policy.

**THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM SOCIAL AND BEHAVIORAL SCIENCES REQUIREMENT.**

Prerequisite: Must be accepted to the Whitacre College of Engineering.

For students majoring in mechanical and industrial engineering and mechanical and electrical/electronics engineering technology. Provides a background in orthographic projection, selected topics of descriptive geometry, engineering drawing techniques, and computer-aided design and drafting software.

This course will explore the history, structure, and contemporary practices of the American feature film business. Through the lens of some of the biggest, most popular films in history (such as *Jaws*, *Star Wars*, *Batman*, and *Avatar*), the course will introduce students to theories and issues related to film production, distribution, and exhibition, as well as exploring the role of the audience in supporting that industry. Students will also receive practical experience promoting and marketing a feature film. After completing the course, students will understand the historical developments that led to Hollywood’s key role in global culture; will understand and be able engage critically with theories of mass culture, globalization, the film text, and reception/fandom; will learn to see entertainment products as contributory to social life and vice versa; will attain theoretical and practical knowledge in the marketing of a film or an event; and will understand the dynamic relationship between institutions, texts, and audiences.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>CRN#</th>
<th>Instructor</th>
<th>Time</th>
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<tbody>
<tr>
<td>ENGL 2305-H01</td>
<td>Introduction to Poetry</td>
<td>55531</td>
<td>Prof. J. Poch</td>
<td>TR 9:30-10:50 AM</td>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>ENGL 1301 and ENGL 1302.</td>
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<td></td>
<td>Critical study of and writing about a variety of poems. Writing required.</td>
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<td><strong>CATALOG YEAR PRIOR TO 2014:</strong> THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.</td>
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<td><strong>CATALOG YEAR 2014-2015 AND LATER:</strong> THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM LANGUAGE, PHILOSOPHY, AND CULTURE REQUIREMENT.</td>
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<tr>
<td>ENGL 2308-H01</td>
<td>Introduction to Nonfiction</td>
<td>54343</td>
<td>Prof. S. Spurgeon</td>
<td>TR 11:00 AM-12:20 PM</td>
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<tr>
<td><strong>Prerequisite:</strong></td>
<td>ENGL 1301 and ENGL 1302.</td>
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<td>Critical study of and writing about a variety of historical, biographical, and scientific writings. Writing required.</td>
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<td><strong>CATALOG YEAR PRIOR TO 2014:</strong> THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.</td>
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<tr>
<td>ENGL 2391-H01</td>
<td>Introduction to Literary Studies</td>
<td>42246</td>
<td>Prof. K. Caswell</td>
<td>TR 2:00-3:20 PM</td>
</tr>
<tr>
<td><strong>Prerequisite:</strong></td>
<td>ENGL 1301 and ENGL 1302.</td>
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<td>Join Professor Kurt Caswell on a journey through four genres and four worlds while practicing college writing. Among our greatest scientists, thinkers, and leaders, there is no debate that our climate is changing. There is no debate that a changing climate is driving the engine of species extinction at an alarming rate. And there is no debate about what is causing climate change: human activity, human civilization, you and me. In this course, we will explore our culture's vision of, and fascination with “the end of the world,” and ask what hope, if any, may reside there. We will examine the way human beings respond to the conditions of choice and chance, as well as to violation and reconciliation. We will investigate how and why human beings are in conflict with themselves, and the potential consequences of that conflict. We'll move from interior conflicts with exterior consequences (Wordsworth’s poetry, The World Without Us), to a vision of a dire and brutal future (The World Without Us, The Road), and end with a vision of the possibility of reconciliation and justice (Much Ado About Nothing). To do so, we will focus our efforts on practicing college writing. This course is reading and writing intensive.</td>
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<td><strong>CATALOG YEAR 2014-2015 AND LATER:</strong> THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM LANGUAGE, PHILOSOPHY, AND CULTURE REQUIREMENT.</td>
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<tr>
<td>ENGR 2392-H01</td>
<td>Engineering Ethics and Its Impact on Society</td>
<td>47745</td>
<td>Prof. R. Burgess</td>
<td>MWF 9:00-9:50 AM</td>
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<tr>
<td></td>
<td>In this section of ENGR 2392 (formerly ENGR 4392), students will be expected to explore important ethical concepts and current engineering issues in-depth. Assignments and discussions will focus on the connection between conceptual analysis and day-day engineering practice. Students will be asked to describe the nature and extent of their obligations as engineers. Contemporary challenges in engineering practice will be explored along with methods of ethical analysis. Students should walk away with a better appreciation of the ethical foundations of engineering as well as with useful tools (such as the cross-impact analysis) for ethical analyses.</td>
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<td><strong>CATALOG YEAR PRIOR TO 2014:</strong> THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.</td>
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<tr>
<td>FREN 2390-H01</td>
<td>French Culture</td>
<td>55750</td>
<td>Prof. Y. Vieuille</td>
<td>TR 9:30-10:50 AM</td>
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<td>Note: Credit does not apply to major or minor requirements. A multimedia approach to topics related to French culture. Taught in English. May not be repeated.</td>
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<td><strong>THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM MULTICULTURAL REQUIREMENT AND LANGUAGE, PHILOSOPHY, &amp; CULTURE REQUIREMENT.</strong></td>
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</table>
Students graduating from Texas Tech University should be able to demonstrate the ability to: explain some of the major concepts in the natural sciences and to demonstrate an understanding of scientific approaches to problem solving, including ethics.

This class introduces you to physical geography. This is the study of the physical world in which we live, atmosphere (the envelope of air that surrounds Earth), hydrosphere (the waters of Earth), biosphere (the organisms that inhabit Earth), and lithosphere (the solid surface of Earth and its expressions through landforms). This class differs from a class in atmospheric science, geology, biology, or oceanography because it focuses on interactions among the various components of the physical earth. We treat each of the “spheres” as a system, and Earth as an interacting collection of systems. We will also look at human interactions with Earth’s environmental systems, examining the ways in which humans are affected by the physical world in which they live and also how humans have changed Earth in the past several thousand years. At the end of this course you should have a basic understanding of how Earth’s physical systems operate and how humans affect those systems.

CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM NATURAL SCIENCES REQUIREMENT.
CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM LIFE AND PHYSICAL SCIENCES REQUIREMENT.

By the end of the course, you should be able to:
1. Identify and understand fundamental sex/gender definitions and concepts
2. Understand and apply several theoretical perspectives of gender development
3. Comprehend a brief overview of research regarding gender development & socialization across the life span
4. Analyze the ways in which social institutions maintain and perpetuate binary notions of gender
5. Critically examine your participation in contemporary gendered systems

Additionally, because the course is part of the Women’s Studies Curriculum, you will be able to:
6. Apply feminist theoretical frameworks to gender development through the life-span
7. Understand, reflect, and apply models of privilege/oppressed and the intersection of gender, race, class, sexuality to gender development, in general, and your experience, in particular

THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM MULTICULTURAL REQUIREMENT.

Intimate relationships are a part of every person’s life. These relationships come in many shapes and sizes (parents, siblings, friends, romantic partners, etc). All relationships are developed, are sustained or come to an end. Would you like to better understand intimate relationships, how relationships develop, how they can be maintained, difficulties that arise in relationships and how to overcome conflict? Then this course is for you. This course is designed to provide an overview of intimate relationships from adolescence through adulthood, with an emphasis on relationship processes, diversity in types of partnering, and developmental/contextual variations in relationships. The course will review the various phases of relationship development (e.g., attraction, maintenance, dissolution, reconfiguration), and address the ways in which relationships are affected by individual (e.g., cognition, personality), couple (e.g., love, sexuality, conflict, communication), and contextual (e.g. social network) factors.

THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM SOCIAL AND BEHAVIORAL SCIENCES REQUIREMENT.
This course will introduce students to the major problems and themes in U.S. History from 1492 to Reconstruction. We will look closely at the founding documents and primary sources of information, with emphasis on important figures. There will be an assortment of readings, papers, discussions and tests throughout the semester.

CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM UNITED STATES HISTORY REQUIREMENT.

This seminar examines some of the basic issues involved in the interplay that exists in our modern society between science and the general society in which it functions. Taught by a practicing scientist and a constantly questioning historian, our focus is to dwell on some of the specific topics that have historically dominated science/societal interactions, such as: What is science? What is the difference between science and technology? What contributions do scientists make to society and how does society respond to science? To what extent should society set the agenda for science? To what extent should science take social and political issues into account in their research programs? How should we evaluate conflicts between scientific findings and religious beliefs? What are the ethical implications of scientific developments such as the potential to reshape the human genome, to modify food crops and domestic animals genetically, or to use fetal stem cells to cure diseases? This class is intended for both science and non-science students. The instructors of this course take the approach that scientific explanations for natural phenomena which have been proposed by scientists and evaluated by their peers (and which have been used repeatedly to create the technology that we take for granted in our daily life) provide the best understanding of our natural world, but there will be many opportunities for discussion, challenge, and interaction over all of these topics.

THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.

What does it mean to be a man? How have Americans defined masculinity in terms of work, politics, music, sports, humor, war and technology? Some scholars have asked the question: 'do men have a history?' Despite a narrative that privileges the actions of famous and/or infamous men, historians find too often that we study only flat, one-dimensional stereotypes. This semester, we will sample recent scholarship that explores contested understandings of masculinity in the United States from the nineteenth century to the present and consider a range of methodologies that will allow us to challenge stereotypes and unearth the hidden history of men and masculinity.

*Students who entered Honors in Fall 2013 or later must take an upper-level Seminar (3000/4000 course) to fulfill the Honors Seminar curricular requirement. This course is not an upper-level Seminar.

No one can teach you to be creative. No one needs to. We are each and every one of us-creative by virtue of being human. But we can learn to be better at creative work by understanding the creative process. Through reading gaps, group and individual projects, and seminar discussion, you will develop a vision of the creative process, learn to identify blocks to that process, and acquire techniques for getting you unblocked. The course is not just art but about creative thinking and habits that are applicable to all human endeavors.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM VISUAL & PERFORMING ARTS REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM CREATIVE ARTS REQUIREMENT.**

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**HONS 3300-H01**  **Individual Honors Research**  **(CRN# 40043)**  **TBD**

*Note: This course is for students interested in completing an Honors Thesis, not for students involved in URS.*

**Prerequisites:** Enrollment in the Honors College and approved Honors thesis project application on file.

Contents will vary to meet the needs of students. Independent work under the individual guidance of a faculty member, who must be either a member of the graduate faculty or approved by the Honors College Associate Dean (Aliza.wong@ttu.edu).

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**HONS 3301-H01**  **History of the Italian Mafia**  **(CRN# 26002)**  **Prof. A. Wong**  **MWF 2:00-2:50 PM**

In a culture filled with stereotypes, mythologies, and misunderstandings, Sicily has been most popularly represented as the land of the mafia, the home of la famiglia, and the center of organized crime. Taking a global, transnational, comparative approach to understanding the mafia, from its roots in Sicily to its metamorphosis in the United States to its international reach, both in real, economic terms and in imagined, constructed accounts, this class will explore the historical realities, the political consequences, and the cultural representations of the Italian mafia. Most importantly, students will be encouraged to think creatively, innovatively about a historical problem that reaches from the latifondi of the 18th century into the textile, fashion, construction, drug trafficking, human trafficking, economic markets, and political structures of the 21st century.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**HONS 3301-H02**  **Philosophy of Horror**  **(CRN# 26015)**  **Prof. D. Hick**  **MWF 12:00-12:50 PM**

Not everyone is into Stephen King novels and slasher flicks. Not everyone appreciates a ghost story or monster movie. But a surprisingly large number of people do. So, what is the appeal of horror? Why do we like being scared? Doesn’t that seem... self-contradictory? In this course, we’ll study a number of philosophical questions about the nature of horror, including both old problems and recent theories, and we’ll indulge in some spine-tinglers along the way. Not recommended for students with heart conditions.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**
A lot of young people in Texas (and other places) have little or no personal experience or formal study of the native cultures of North America. In fact, much of what happened between European colonizers and the hundreds of indigenous cultures that were already here has been omitted from the story of America. In this course, students will uncover some of these stories. Some of the questions we'll address are: in what ways have American Indians been imagined over time? How has our nation's history (the conquest of Native America) led to a collective guilt, a desire for absolution, and the idealization of American Indian culture and spirituality while simultaneously marginalizing Indian nations? What can modern Indian peoples teach us about how to be “at home” in North America? To help answer these questions, we’ll read and interpret a variety of texts, including poems, nonfiction, fiction, photographs, paintings, and film. This is a reading and writing intensive course.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**
The Honors College Seminar in Healthcare introduces students to the roles and responsibilities of healthcare professionals in the disciplines of medicine, nursing, allied health sciences, pharmacy, and research. Healthcare professionals will provide personal and professional insight into the roles and responsibilities of the different disciplines, current healthcare issues, technologies, ethics, and the requirements and expectations of students applying for admission into healthcare fields of study. Students will have the unique opportunity to meet faculty and professionals in practice. Highlights of the class will include tours of Texas Tech University Health Sciences Center’s (TTUHSC) gross anatomy lab, the TTUHSC diagnostic laboratories, the Garrison Center, the SimLife Center and the Student Synergistic Center, as well as attendance at the TTUHSC Community Medical School.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM TECHNOLOGY & APPLIED SCIENCE REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**HONS 3302-H02  Life Cycle Assessment**

How do you know if something you buy is environmentally friendly? In answering this question, you probably would first look at the environmental impacts of that something while you use it. To make your analysis more complete, you may consider the environmental impacts that go in the design, manufacture, and end-of-life of that product. This full analysis would be a process called Life Cycle Assessment (LCA). LCA is a holistic, cradle-to-grave environmental approach, which provides a comprehensive view of the environmental aspects of a product or process. HONS 3302 will explore how to perform a LCA, how LCA works, and why LCA is important. In this exploration, students will see the complexity in product life-cycles, understand the issues in data availability and uncertainty, and gain a better understanding of sustainability.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM TECHNOLOGY & APPLIED SCIENCE REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**HONS 3304-H01  Music and Your Mind**

When Ali G asked Donald Trump “What is the most popular thing in the world?” his one-word answer was “Music.” Trump was correct in thinking that music is, and always has been, pervasive in human culture. Moreover, there are few individuals who lack a strong connection to something musical, be it a favorite band, a meaningful song, or a melody that we hope to never hear again. This course will introduce students to the social, physiological, and psychological reasons behind these connections, shuttling back and forth between the universal and personal manifestations of music and our minds.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM VISUAL & PERFORMING ARTS REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**HONS 3304-H02  The Life and Art of Alfred Hitchcock: Movies, Television, Literature, Music, and the making of a Cinematic Genius**

Alfred Hitchcock has long been considered one of history’s greatest filmmakers. Known as the “Master of Suspense,” Hitchcock was able to craft stories that kept audiences on the edge of their seats. Although he never properly won an Academy Award for Best Director (he was nominated five times), he changed the way audiences viewed films and filmmakers made them. Hitchcock’s penchant for tight storytelling and his cinematic techniques influenced generations of filmmakers and is still felt today. Though primarily known as a director of thrillers, Hitchcock produced films in nearly every genre including romance, horror, comedy, documentary, and even a musical. He worked in television and had a best-selling series of short story collections emblazoned with his name and photo on the covers. This particular section of Icons of Popular Culture will study the life and work of Alfred Hitchcock through the lens of adaptation, gender, storytelling, filmic methods, history, art, and how his films have impacted the world cultural landscape.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM VISUAL & PERFORMING ARTS REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**
This course is an overview of the ways in which dance and film influence each other and work in tandem to create complex meaning and understanding, beginning with examples from the 1960s and progressing to current trends. In doing so, this course will expand the student’s knowledge of the human condition and human cultures as expressed and evidenced through the art form of concert dance, performance art, multimedia art works, and film. Students will engage in observing dance in video format, critically reading and writing about performance, discussing the various art forms, and exploring performance criticism.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM VISUAL & PERFORMING ARTS REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**HONS 3305-H01 European Fine Arts (CRN# 43997) Prof. J. Brink TR 9:30-10:50 AM SEMINAR**

*Note: This is a required course for all HAL majors. Non-Honors students who wish to take this course must visit with Dr. Brink (jim.brink@ttu.edu) before obtaining a permit.*

This will be a sweeping survey of the major genres and examples of the fine arts from the Renaissance to the present. We will explore personalities and creative work that have shaped the Western world, from Leonardo DaVinci and Michelangelo Buonarrotti, to Pablo Picasso and August Rodin, from Giovanni Palestrina to Benjamin Britten, from Michelozzo di Bartolommeo to Frank Lloyd Wright, from Molière and Jean Baptiste Racine to Oscar Wilde and Tom Stoppard. We will examine and discuss painting, sculpture, architecture, music, dance, theatre, photography, and film, within their literary and cultural contexts. In addition to group readings, viewings, and discussions, students will make both oral and written presentations on selections throughout the semester.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM VISUAL & PERFORMING ARTS REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**HONS 4100-H01 Leadership and Ethics (CRN# 55811) Prof. D. Nellis T 2:00-2:50 PM**

The course provides an overview of leadership, leadership strategies and styles and leadership related principles in the context of ethics. Students will have the opportunity to be exposed to, discuss, and apply various dimensions of leadership, the literature on leadership, and the experience of leaders. The course promotes core values of excellence in leadership, civility, and ethics. In addition, the course provides a multidisciplinary academic approach that focuses on leadership in organizational contexts and in human life.

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**HONS 4300-H01 Individual Honors Research (CRN# 26158) Contact Prof. K. Williams (keira.williams@ttu.edu)**

**HONS 4300-H02 Individual Honors Research (HAL Majors Only) (CRN# 39938) Contact Prof. J. Brink (jim.brink@ttu.edu)**

*Note: This course is for students interested in completing an Honors Thesis, not for students involved in URS.*

**Prerequisites:** Enrollment in the Honors College and approved Honors thesis project application on file.

Contents will vary to meet the needs of students. Independent work under the individual guidance of a faculty member, who must be either a member of the graduate faculty or approved by the Honors College Associate Dean (Aliza.wong@ttu.edu).

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**HONS 4302-H01 Pop Culture and Protest (CRN# 54391) Prof. K. Williams TR 11:00 AM-12:20 PM SUMMIT**

In this course, we will examine critical approaches to the study of American popular culture in the twentieth and early twenty-first centuries. Pop culture has served many purposes in American history, and in this course, we'll examine how different kinds of pop culture—music, fiction, television, film, advertisements, and poetry, to name a few—have been used in the recent past as resistance, or as a means of protesting the contemporary status quo. In particular, we will explore the following questions: Who has produced resistant pop culture in different eras of American history, and with what intentions? How did these cultural producers construct these texts to specific ends? Who has consumed this pop culture in the past, and how did they make sense of the message? What accounts for the changes in protest pop culture over time? As we explore these questions, we'll also analyze our current culture, and each of you will experience pop culture as resistance when you produce your own pop cultural text in accordance with the themes, questions, and types of protest we will discuss this semester.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SUMMIT REQUIREMENT.**
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>HONS 4302-H02</td>
<td>Literature of Place</td>
<td>54392</td>
<td>Prof. S. Tomlinson</td>
<td>T 2:00-4:50 PM</td>
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<td><strong>SUMMIT</strong></td>
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<td>What is a landscape? How do landscapes shape us, and how do we shape them? This course explores these questions by looking at the many different landscapes around us (neighborhoods, gardens, coffeehouses, food, cemeteries...) and their meanings through reading, discussion, writing, and art. Students will also study and think about landscapes through painting and drawing, and create landscape journals using book-making and journal-making techniques. Students do not need artistic “talent” to benefit from this course, only a willingness to explore and work hard. Required field trips around Lubbock. Students must have access to a bicycle. Though there is some drawing and painting in this class, this course is reading, writing, and discussion intensive. Field trips! Bicycles! Local food! How could you go wrong? <strong>THIS COURSE FULFILLS 3 HOURS OF THE HONORS SUMMIT REQUIREMENT.</strong></td>
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<td>HONS 4302-H04</td>
<td>Travel Writing</td>
<td>54597</td>
<td>Prof. K. Caswell</td>
<td>TR 12:30-1:50 PM</td>
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<td><strong>SUMMIT</strong></td>
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<td>Are you a traveler, an explorer, a free spirit with a deep desire to see the world? Have you already seen some of the world, and want to learn how to tell your story? Or are you a writer who wants practice in the art of travel writing? If you answer YES to any of these questions, this course is for you. In this workshop course in nonfiction travel writing, our major work will be to craft and revise travel essays with an eye toward publication. Students will also read great travel writing and great travel writers—we’ll use the 2014 edition of The Best American Travel Writing as our text. <strong>THIS COURSE FULFILLS 3 HOURS OF THE HONORS SUMMIT REQUIREMENT.</strong></td>
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<td>HONS 4302-H05</td>
<td>The Arab Israeli Conflict</td>
<td>55612</td>
<td>Prof. J. Hodes</td>
<td>TR 11:00 AM-12:20 PM</td>
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<td><strong>SUMMIT</strong></td>
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<td>This course seeks to chart the historical and political development of the Arab Israeli conflict by analyzing key events and controversies which have shaped the struggle. The course takes an in depth look at the peoples involved, the changing situations on the ground and the ramifications the conflict has for the world beyond the regional borders. The course divides the conflict into four main stages. The first is a proto-nationalist stage that examines the Zionist and Arab nationalist movements as they grew from ideologies to full-fledged political entities from the 1880s to 1917. The second stage 1917-1948, from the Balfour declaration to the creation of the state of Israel, sees two nationalist movements competing for the same land. The third stage, from 1948-1987, can be understood as a state against state conflict which sees the state of Israel engaged in a conflict with other nations. The fourth stage, identified as Israel against political Islam, shows the conflict being waged not only between Israel and other nation states, but against armed Islamic political movements such as Hamas, Hezbollah, and Islamic Jihad. Time is also dedicated to broader ethical issues of academic and community representations of the Arab Israeli conflict, and the nature of scholarly and community authority. <strong>THIS COURSE FULFILLS 3 HOURS OF THE HONORS SUMMIT REQUIREMENT.</strong></td>
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<td>HONS 4302-H06</td>
<td>Latin American Cinema</td>
<td>55774</td>
<td>Prof. G. Elbow</td>
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<td>What can we learn about a place from its movies? Find out the answer to this question, learn how to watch and evaluate films, and practice your Spanish and/or Portuguese comprehension, all while watching some of the best movies Latin America has produced. Films that will be viewed are from many different Latin American countries, but especially Argentina, Brazil, and Mexico, which are the region’s most important film producers. Films are in Spanish or Portuguese with English subtitles. We will see some challenging films that reveal interesting aspects of Latin American culture and may challenge some of your ideas about film. Instead of exams, grading is based on short essays (about 1000 words) that evaluate the cultural, political, and aesthetic elements of the films. Essays are due each week after the first week of the semester. In addition, you will be asked to write a longer overview essay (2,500 words) in which you compare the films viewed during the semester and draw generalizations about Latin American film from them. <strong>Warning: Latin Americans have different attitudes than North Americans when it comes to what is shown on film. Some of the films that will be shown in class contain nudity, explicit sex and prostitution, violence, and homosexuality. Knowledge of Spanish and/or Portuguese is helpful but not necessary to enjoy this course and receive a good grade.</strong> <strong>THIS COURSE FULFILLS 3 HOURS OF THE HONORS SUMMIT REQUIREMENT.</strong></td>
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Note: Enrollment is limited to Honors students only. This course is cross-listed with TTU Law School Course LAW 5401. Application to take this course is required. Applications are due Friday, October 21st to cheyenne.belew@ttu.edu in the Honors College. This course is assessed on a Pass/Fail basis for undergraduate students. Students receiving a grade of C+ or better in the course who later matriculate to the Texas Tech University School of Law may not be required to repeat the course if approved by the Associate Dean for Academic Affairs when another course or courses are available in the same subject area which may be taken in substitution for equivalent credit hours which will then be a part of such student’s required first-year curriculum. Class commences one week earlier than TTU undergraduate classes. Application: http://www.depts.ttu.edu/honors/academicsandenrichment/advising/courselists/honorscourseinformation.php

A study of the federal judiciary’s doctrine and practice of judicial review; judicial power and the jurisdiction of the federal courts; the powers of Congress, including its power to regulate commerce; the power of the states to regulate commerce; the separation of powers; and the protection of private rights, privileges, and immunities under the Constitution, including the rights of due process, equal protection, freedom of expression, and freedom of religion. Class will be held in Law, Room 00109.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

Note: Enrollment is limited to Honors students only. This course is cross-listed with TTU Law School Course LAW 5401. Application to take this course is required. Applications are due Friday, October 21st to cheyenne.belew@ttu.edu in the Honors College. This course is assessed on a Pass/Fail basis for undergraduate students. Students receiving a grade of C+ or better in the course who later matriculate to the Texas Tech University School of Law may not be required to repeat the course if approved by the Associate Dean for Academic Affairs when another course or courses are available in the same subject area which may be taken in substitution for equivalent credit hours which will then be a part of such student’s required first-year curriculum. Class commences one week earlier than TTU undergraduate classes. Application: http://www.depts.ttu.edu/honors/academicsandenrichment/advising/courselists/honorscourseinformation.php

An introduction to the law of personal property and real property, including estates and other interests in land, real property marketing and conveyancing, and landlord and tenant problems. Class will be held in Law, Room 00107 for section H03 and 00105 for section H04.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

*Students who entered Honors in Fall 2013 or later must take an upper-level Seminar (3000/4000 course) to fulfill the Honors Seminar curricular requirement. This course is not an upper-level Seminar. Non-Honors students who wish to take this course must visit with Dr. Brink (jim.brink@ttu.edu) before obtaining a permit.

Why is a given literary, philosophical or artistic work considered “novel,” “innovative” or “revolutionary”? How is it that the new appears against a certain intellectual background? To what extent is novelty some “objective” characteristic, intrinsic to the work itself and to what extent is it the result of its interaction with the intellectual/artistic environment within which it emerges? What roles do extraneous factors (such as competition and demands of the market, political pressure/sponsorship, ideological and religious censorship) play in the genesis of novelty? What are the major patterns of intellectual and artistic change in the Western modern world? These are some of the questions that we will be addressing in the class. This interdisciplinary course proposes a close look at some of the intense “knots” of novelty in philosophy, literature, and the arts from Renaissance to our times, with the aim of bringing about a better understanding of how cultural history works and how the new is being produced.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

CataLog Year Prior to 2014: THIS COURSE FULFILLS 3 HOURS OF THE Core Curriculum Humanities REQUIREMENT.


**Prerequisite:** MATH 1451 with a grade of B- or better.

Evaluation of economics of engineering proposals for cost and profitability.

**THIS COURSE FULFILLS 3 HOURS OF THE Core Curriculum Social and Behavioral Sciences REQUIREMENT.**
**Prerequisite:** ISQS 2340 with a grade of B- or better; MATH 2300 or 2345 with a grade of B- or better.

**Co-requisite:** ISQS 3344-702.

An overview of the production and operations function in organizations with examples of the application of computer and quantitative skills to management problems. Both design and operating problems are discussed.

**CATALOG YEAR PRIOR TO 2014:** THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM TECHNOLOGY & APPLIED SCIENCE REQUIREMENT.

**CATALOG YEAR 2014-2015 AND LATER:** THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.
### MATH 2450 - Calculus III with Applications

**Prerequisite:** MATH 1452 with a grade of B- or better.

Partial differentiation; functions of several variables; multiple integrals, line integrals, surface integrals, Stokes Theorem. Honors Calculus expands on the regular calculus course by looking in depth into why the concepts work, rather than merely using the concepts. In addition, various additional applications and topics that should be interesting to students will be covered. Honors calculus does not require more work than regular calculus, but rather more interesting approaches to the topics.

**Catalog Year Prior to 2014:** This course fulfills 4 hours of the core curriculum mathematics requirement.

**Catalog Year 2014-2015 and Later:** This course does not fulfill a core curriculum requirement.

### MATH 3342 - Mathematical Statistics for Engineers and Scientists

**Prerequisite:** MATH 2450 with a grade of B- or better.

This course is designed to cover topics from mathematical statistics that are of interest to students from engineering and/or the sciences. Topics will include descriptive statistics, elementary probability, random variables and their distributions, mean, variance, parameter estimation, hypothesis testing, regression, and analysis of variance. In addition, students will get hands-on experience in the process of experimentation, data collection, and analysis via a group project where students will propose an experiment, get approval, design the experiment and data collection methodology/protocols, run/conduct the experiment and gather data, then analyze the data and draw conclusions. This will all be presented in a written report as well as an oral presentation before their peers.

### MATH 3350 - Higher Mathematics for Engineers and Scientists I

**Note:** This course is open to Math minors, but does not provide credit toward a Math major.

**Prerequisite:** MATH 1452 with a grade of B- or better.

Ordinary differential equations, Laplace transforms, and other selected topics. This course will be enriched for Honors students with additional readings, projects, and/or expositions.

### MBIO 3401 - Principles of Microbiology

**Prerequisite:** BIOL 1402 with a B- or better or BIOL 1403 and 1404 with a B- or better; prerequisite or co-requisite CHEM 3305.

Morphology, physiology, and classification of microorganisms. This course will provide an overview of the history and the many components that comprise the field of microbiology. Topics discussed will include: bacteriology, virology, parasitology, mycology, public health, and clinical and industrial microbiology. Students will be encouraged to participate in and lead discussions regarding current events involving microbiology and its applications to everyday life. Students will also be introduced to microbiological research topics and experimental design using various microbiological and molecular techniques.

### MBIO 4303 - Physiology of Bacteria

Anatomy and physiology of the bacterial cell. A molecular approach. (Writing Intensive)

### ME 2322 - Engineering Thermodynamics I

**Prerequisites:** B- or better in PHYS 1408, MATH 1452.

Properties of pure substances, ideal gas behavior, first and second law analysis, and applications to energy conversion and power cycles.
Prerequisites: Business students only who have completed BLAW 3391, ISQS 3344, FIN 3320, MKT 3350, MGT 3370, and MGT 3373 or BCOM 3373 with grades of B- or better and are in their final semester. No COBA classifications permitted.

Strategic Management is the capstone, integrative course for graduating business administration students. This is an exciting, challenging course that focuses on how firms formulate, implement, and evaluate strategies. Students use all the knowledge and concepts acquired from prior business courses, integrate them with new strategic-management techniques, and use them to chart the future direction of different organizations. The major responsibility of students in this course is to make objective strategic decisions and to justify them through oral presentations and written case studies. This course is taught using active learning and experiential techniques and is primarily discussion-based, but also has written components. Critical thinking skills are required for the experiential exercises and case analyses and will be enhanced during this course. This honors course periodically contains a service learning experience and case. Service learning is an active learning technique that combines application of course concepts, interaction with a community partner, and reflective components. The students will have the chance to apply the strategic management concepts learned in this course in a real world setting.

Prerequisite: B- or better in ECO 2302 or ECO 2305 or AAEC 2305.

The primary purpose of this course is to provide an overview of the discipline of marketing, both as a philosophy of business and as a series of business practices. The course will explore the field of marketing, as it directs the organization’s resources to satisfy customers’ wants and needs through the exchange process, at a reasonable profit to the organization. Specifically, we will examine how marketers: understand consumers’ needs and wants; develop products and services that provide superior value; and how they price, distribute, and promote products and services effectively, both domestically and internationally. The course will direct your study of the organization (either a profit-oriented firm or a non-profit organization) as a market entity existing in a competitive environment. The emphasis will be on understanding the importance of quality, value, and customer relationship management in obtaining a competitive advantage in today’s marketplace. In addition, we will consider the ethical and societal issues related to marketing. The course will emphasize service learning where you will work with a real client organization to solve marketing problems through research and analysis.

MUHL 3303-H01

Prerequisites have been waived for Honors students with music familiarity. Instructor permission is required.

Creating the Critical Listener

Drawing on classical, folk, popular, and world music traditions, this course cultivates a set of analytical tools that enables one to listen, read, speak, and write accurately, critically, and insightfully about music from a variety of global traditions.
**PFP 3301-H01**  
**Introduction to Personal Finance**  
(CRN# 52544)  
**Prof. C. Browning**  
**TR 9:30-10:50 AM**  
**SEMINAR**

Introduction to personal finance, including goal setting, cash management, credit, insurance, taxes, housing, investment alternatives, and retirement plans. To better understand how individuals and families make financial decisions to meet their goals, reading assignments and discussion will focus on topics that are both relevant and timely. Class time will be spent collaboratively learning about the financial marketplace and behavioral tendencies, which form the environment in which people make financial decisions. Current issues such as financial literacy, time preferences, investment in human capital, behavioral finance, and generational differences will be explored. Discussion will arise from the readings assigned that focus on current issues, often found in popular press such as the Wall Street Journal, USA Today, and Kiplinger's Magazine. It will also come from interesting and sometimes controversial new research related to how and why people think about money as they do. We all know that our financial decisions are not always rational, as assumed in economic theory. However, behavior research from economic, psychological, and socio-cultural perspectives can inform us regarding financial decision making.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM SOCIAL & BEHAVIORAL SCIENCES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**PHIL 2320-H01**  
**Introduction to Ethics**  
(CRN# 55349)  
**Prof. D. Nathan**  
**TR 9:30-10:50 AM**

So how ought persons behave toward one another? And does it even make any sense to reason about moral questions in the first place? After all, perhaps morality is just an individual subjective response, like one's taste in ice cream. Or maybe it's just a matter of religious dogma, so that one needn't think for oneself or bother trying to reason about it at all. Or perhaps all behavior boils down to self-interest anyway, so that talk of "moral obligation" is merely empty rhetoric. And, if it is not empty talk, what could possibly ground moral obligation? Imagine having one of those heavy late-night dorm discussions, but with Plato, Thomas Hobbes, John Stuart Mill, and Immanuel Kant chiming in. You will find that, even though those folks are long dead, it turns out that they had a lot to say about matters of morality that still concern us deeply today. In this course, we will explore the potential of thinking carefully and creatively about morality, and we will do so in the company of some of the giants of Western moral philosophy. (Did you know that the 17th Century philosopher, Thomas Hobbes, even came up with a theory to explain why people stay late at parties?)

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM LANGUAGE, PHILOSOPHY, & CULTURE REQUIREMENT.**

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**PHIL 3322-H01**  
**Biomedical Ethics**  
(CRN# 55595)  
**Prof. D. Hick**  
**TR 2:00-3:20 PM**  
**SEMINAR**

Discussion of conceptual and moral problems surrounding such issues as abortion, euthanasia, genetic research, behavior control, allocation of medical resources, health, and disease.

**THIS COURSE FULFILLS 3 HOURS OF THE HONORS SEMINAR REQUIREMENT.**

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 3 HOURS OF THE CORE CURRICULUM HUMANITIES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE DOES NOT FULFILL A CORE CURRICULUM REQUIREMENT.**

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**PHYS 1408-H01**  
**Principles of Physics I**  
(CRN# 45874)  
**TBD**  
**TR 9:30-10:50 AM**

**PHYS 1408-H51**  
**No-Credit Lab**  
(CRN# 45875)  
**T 2:00-3:50 PM**

**PHYS 1408-H71**  
**Discussion**  
(CRN# 46008)  
**W 4:00-4:50 PM**

**Prerequisite:** MATH 1451 with a grade of B- or better.  
**Co-requisite:** PHYS 1408-H51 Lab and PHYS 1408-751 Recitation.  
Calculus-based introductory physics course. Mechanics, kinematics, energy, momentum, gravitation, waves, and thermodynamics. The Honors section differs from the regular sections in its small class size and increased opportunities for discussion. This section is specifically taught for Physics majors as well as Honors students.

**CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM NATURAL SCIENCES REQUIREMENT.**

**CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM LIFE AND PHYSICAL SCIENCES REQUIREMENT.**
### PSY 2401-H01 Principles of Physics II
- **CRN**: 33817
- **Time**: TBD
- **Location**: TR 11:00 AM-12:20 PM

**Note:** This course is open to Honors students and non-Honors Physics and Engineering majors.

**Prerequisite:** PHYS 1408 and MATH 1452 with a grade of B- or better.

**Co-requisite:** PHYS 2401-H51 and PHYS 2401-H71 Recitation

Calculus-based introductory physics. Electric and magnetic fields, electromagnetic waves, and optics. The Honors section differs from the regular sections in its small class size and increased opportunities for discussion. This section is specifically taught for Physics majors as well as Honors students.

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### CATALOG YEAR PRIOR TO 2014: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM NATURAL SCIENCES REQUIREMENT.

**Note:** PHYS 1301 is not required before POLS 2302.

We are currently in an age of radical change. Public policies, from health care to education policy, punishment to corporate regulation – are under a new scrutiny in the contemporary climate of economic crisis, and for many citizens, existential crisis – crises that are about the very means by which Americans will live. In this course we will examine particular public policies, their impact on the masses of Americans, and on specific subpopulations (such as Latinos and African Americans) to better understand the significance of this transformative period in public policy that the nation is now undergoing. The major assignments for this course are weekly writing assignments, an in-class presentation of a research topic of your choosing that is relevant to the course material, and a final essay exam.

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### CATALOG YEAR 2014-2015 AND LATER: THIS COURSE FULFILLS 4 HOURS OF THE CORE CURRICULUM LIFE AND PHYSICAL SCIENCES REQUIREMENT.

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### PSY 1300-H01 General Psychology
- **CRN**: 55167
- **Time**: TR 9:30-10:50 AM

Introduction to fundamental concepts in psychology. Emphasis on the physiological, social, emotional, and environmental determinants of behavior.

**This course fulfills 3 hours of the core social and behavioral sciences requirement.**

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### PSY 4332-H51 Health Psychology
- **CRN**: 45816
- **Time**: TR 11:00 AM-12:20 PM

This course is similar to the course Health Psychology, but is an advanced level and has a specific additional emphasis on research methods and critical evaluation of research in the biobehavioral sciences. This added emphasis is the focus of unique features of the Honors and writing intensive version of the course, that take the form of weekly critical analysis (written and discussion based) of original research articles for the psychological, epidemiological, and medical literature, as well as an integrative research review paper. Beyond the usual introduction to the field, students in this honors section will get additional training in research methods, critical reading and discussion of biobehavioral research, and integrative critical review and analysis of such research. Finally, students will be introduced to current systems for the use of research evidence as a guide to health care practice and policy. As such, the course is highly relevant to Honors students with research or applied career interests in a broad range of behavioral, social, and biomedical science fields.

The course provides a general introduction and overview of health psychology, as well as an overview of research methods in psychosocial epidemiology, animal and human research in the study of stress and disease, health behavior and prevention, and intervention research. Methods in research integration (e.g., systematic literature reviews) and the use of evidence as a guide to health care (i.e., evidence-based practice and policy) are also reviewed. The main goals of the course are: (a) to provide an overview of substantive content areas of theory and research in health psychology, including the conceptual and methodological foundations of the field, and the three basic issues within it (see below), (b) to examine specific contributions of health psychology to understanding acute and chronic diseases, and other medical conditions, and to improving health care, (c) to illustrate how principles of health psychology may be applied to everyday life, and (d), to learn to think critically about health psychology research, including its coverage in the popular press. Thus, students will develop a general understanding of the biopsychosocial model as applied to the major topics at the interface of the social-behavioral and biomedical sciences, an understanding of the main research methodologies in this area, and skills in the critical analysis of original research in related fields.

**This course fulfills 3 hours of the Honors Seminar Requirement.**
SPAN 2301-H01  A Second Course in Spanish I  (CRN# 52137)  Prof. M. Tecedor Cabrero  MWF 10:00-10:50 AM

**Prerequisite:** SPAN 1501 and SPAN 1502 or SPAN 1507 with a grade of B- or better.

This course emphasizes listening, reading, written and oral skills in order to develop students' communicative competence. In addition, this course will place significant stress on the development of students' intercultural competence through reading texts and written assignments. The development of all of these crucial skills are integrated in a highly interactive and fun environment in which students practice and improve their Spanish every day.

SPAN 2302-H01  A Second Course in Spanish II  (CRN# 45511)  Prof. M. Tecedor Cabrero  MWF 10:00-10:50 AM

**Prerequisite:** SPAN 2301 with a grade of B- or better.

This course emphasizes listening, reading, written and oral skills in order to develop students' communicative competence. In addition, this course will place significant stress on the development of students' intercultural competence through reading texts and written assignments. The development of all these crucial skills are integrated in a highly interactive and fun environment in which students practice and improve their Spanish every day.

THA 2301-H01  Introduction to Acting  (CRN# 50182)  Prof. D. Nolen  TR 2:00-3:20 PM

All people are performers. Every day we “present” a different side of ourselves to the various persons with whom we come in contact. We are all skilled at a kind of “deception” which allows us to transform our voices and our bodies as needed to get what we want. As children, we learn what works and what doesn’t work in our interactions with adults. These become ingrained in us. In this course, we remind ourselves what our different sides consist of, we learn strategies for acquiring our needs, we learn to relate to each other, to sympathize and even empathize with people different from ourselves. We become better citizens in a global society. In the study of acting we learn to be better sociologists, psychologists, public speakers, athletes, managers, anthropologists, parents, children, friends. In short, we learn much more about the human condition in order to reflect it to others.


WS 2300-H01  Introduction to Women’s Studies  (CRN# 55845)  Prof. C. Lindquist  TR 2:00-3:20 PM

*Introduction to Women’s Studies* surveys concepts and theories related to the study of women and men, masculinities and femininities, and to the analysis of gender roles. The course provides each student with an opportunity to grapple with the process, progress and pitfalls of social change and social movements through hands-on involvement. It fulfills the university’s core Language, Philosophy, and Culture requirement. The objective of the humanities in a core curriculum is to expand the student’s knowledge of the human condition and human cultures, especially in relation to behaviors, ideas, and values expressed in actions, words, and beliefs. Students will engage in critical analysis and develop an appreciation of the humanities and human experience as fundamental to the health and survival of any society. Graduates of Texas Tech University should be able to think critically and evaluate possible multiple interpretations, cultural contexts, and values.

SPRING 2017 HONORS SEMINARS

FULL/CLOSED courses are listed in red text

ANSC 4001-H01  Ethics in Research  W 6:00-8:50 PM
EMC 4310-H01  The Blockbuster: the 21st Century Film Industry  R 6:00-8:50 PM
HIST 3337-H01  Science in American Society  T 6:00-8:50 PM
HONS 1304-H02  Creative Processes  M 2:00-4:50 PM
HONS 3301-H01  History of the Italian Mafia  MWF 2:00-2:50 PM
HONS 3301-H02  Philosophy of Horror  MWF 12:00-12:50 PM
HONS 3301-H03  Native America  TR 9:30-10:50 AM
HONS 3301-H04  United States Supreme Court  TR 9:30-10:50 AM
HONS 3301-H05  Booms, Busts, and Dust: Writings about Texans and their Land  TR 2:00-3:20 PM
HONS 3301-H06  Philosophical Issues and Problems in Human Caring  TR 9:30-10:50 AM
HONS 3302-H01  Seminar in Healthcare, T 4:00-6:50 PM
HONS 3302-H02  Life Cycle Assessment  TR 11:00 AM-12:20 PM
HONS 3304-H01  Music and Your Mind  MWF 11:00-11:50 AM
HONS 3304-H02  Hitchcock  M 6:00-8:50 PM
HONS 3304-H04  Intersections of Film and Dance  TR 11:00 AM-12:20 PM
HONS 3305-H01  Seminar in European Fine Arts  TR 9:30-10:50 AM
HONS 4301-H01  Constitutional Law (application required for selection)  TWRF 10:00-10:50 AM
HONS 4301-H03  Property Law (application required for selection)  MTWR 1:00-1:50 PM
HONS 4301-H04  Property Law (application required for selection)  MTWR 9:00-9:50 AM
HUM 2302-H01  Western Intellectual Tradition II: Renaissance to 21st Century  TR 8:00-9:20 AM
PFP 3301-H01  Introduction to Personal Finance  TR 9:30-10:50 AM
PHIL 3322-H01  Biomedical Ethics  TR 2:00-3:20 PM
PSY 4332-H51  Health Psychology  TR 11:00 AM-12:20 PM (CANCELED)

SPRING 2017 HONORS SUMMITS

FULL/CLOSED courses are listed in red text

HONS 4302-H01  Pop Culture and Protest  TR 11:00 AM-12:20 PM
HONS 4302-H02  Literature of Place  T 2:00-4:50 PM
HONS 4302-H04  Travel Writing  TR 12:30-1:50 PM
HONS 4302-H05  The Arab Israeli Conflict  TR 11:00 AM-12:20 PM
HONS 4302-H06  Latin American Cinema  W 6:00-8:50 PM