CAP LECTURE LIST
Spring 2023 Classes

Princeton University
Office of Community and Regional Affairs
Community Auditing Program (CAP)
4 Mercer Street
Princeton, NJ 08540

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2023 Important Dates and Registration Information

**Registration information:** on Day 1 and Day 2 auditors are limited to registering for one (1) course. On Day 3 auditors may register for more courses as availability permits. **In-person onsite registration is not available at this time.**

**Registration limits:** Auditors may register for a total of 3 University classes plus the Auditor Only classes.

**DAY 1 - Wednesday, January 25, 2023**
- Home/Off-site online registration begins at 11a.m.
- Day 1 ends on 1/26/2023 at 10:30 am
- Day 1 Activated auditors only, one course limit

**DAY 2 - Thursday, January 26, 2023**
- Home/Off-site online registration begins at 11a.m.
- Day 2 ends on 1/27/2023 at 10:30 am
- Day 2 Activated auditors only, one course limit

**DAY 3 - Friday, January 27, 2023**
- Home/Off-site online registration begins at 11a.m. for all activated auditors

**Friday, January 27 – Wednesday, February 8, 2023,** Registration remains open for all auditors online through the first two (2) weeks of classes for courses with space available.

**Tuition:** $200 per University course, $125 per Auditor Only Series course.

**Payment information:** We accept Visa, MasterCard, and Discover. **We Do NOT accept American Express.**

**Drop/refund deadline:** To drop a course and receive a refund, you must notify the CAP office in writing (email acceptable) by 5:00 pm on or before Tuesday, February 8, 2023.

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Auditor Only Series courses

ASC300 Out of this world: constructing languages for fiction, film, and fun

Professor: Laura Alexia Janda, Professor of Slavic Languages

Description: Constructed languages, also known as “conlangs”, have been created for many purposes. Some conlangs, like Esperanto and Volapük, were designed to promote international communication. Others feature prominently in works of literature, like Tolkien’s Quenya and Borges’ Tlön. Films and series like Star Trek and Game of Thrones integrate languages like Klingon and Dothraki into their scripts. And many people craft their own conlangs just for the sheer joy of the challenge: reddit.com has over 78,000 registered conlangers. Conlanging is a serious artform built on scientific linguistic principles and typological study of human languages. We begin with a tour of the conlang universe and then tackle the building blocks that go into a conlang. This course is both for aspiring conlangers and for anyone who is just curious about how languages work.


Dates: February 3, February 10, March 3, March 10, 2023

Time: Fridays, 11:30am-1:00pm (participants are welcome to eat lunch during the sessions)

Location: Zoom

Laura A. Janda (Princeton class of 1979) got her PhD degree in Slavic Linguistics at UCLA in 1984, and taught at the University of Rochester and at UNC Chapel Hill before moving to UiT The Arctic University of Norway in 2008. She has won numerous awards in the US and Norway for both her teaching and research. She is currently at Princeton University as a Visiting Scholar.

ASC400 Music Cognition

Professor: Elizabeth H. Margulis, Professor of Music and Director of the Music Cognition Lab

Description: Music can get your feet tapping, trigger a cascade of memories, mire you in nostalgia, or leave you with an earworm. What happens when tools and ideas drawn from cognitive science are applied to understanding these experiences? What can music tell us about the human mind, and what can psychology and neuroscience tell us about music? This course provides an introduction to music cognition, paying special attention to potential and challenges that characterize work at the intersection of science, humanities, and the arts.

Date: February 17 & 24, March 24 & 31, 2023
**Time:** 10:30 – 12:00  

**Location:** Zoom  

Elizabeth Hellmuth Margulis is Professor and Director of the Music Cognition Lab at Princeton University. She is the author of On Repeat: How Music Plays the Mind, and The Psychology of Music: A Very Short Introduction, both from Oxford University Press. Her research interleaves musicology and cognitive science and has been featured in outlets ranging from NPR’s Science Friday and All Things Considered to the BBC.

**ASC500 Contemporary American short-story cycle**  
**Professor:** Alfred Bendixen, Professor, Department of Gender and Sexuality Studies  

**Description:** An exploration of one of the major literary forms in contemporary American literature, the short-story cycle, a work of fiction that offers a sequence of individual short stories that achieve the kind of unity we expect to find in novels. The unity often stems from portraying the development of a central protagonist in a specific community, the use of recurring characters and situations, and the creation of cyclical patterns of themes and imagery. It combines the sharp focus on a specific character, place, or situation that we expect from the short story with the larger treatment of human experience usually offered by the novel. The short-story cycle has been a particularly important form for the exploration of ethnic identities in the United States, but its versatility is reflected in the wide range of genres it employs. We begin our exploration with Sandra Cisneros’s poetically evocative *The House on Mango Street* (1984), which traces a young Mexican American woman’s journey from childhood to her discovery of vocation as a story-teller who will articulate the joys and pains of her immigrant community. We move then to Los Angeles and Walter Mosley’s *Always Outnumbered, Always Outgunned* (1997), which portrays the struggles of an ex-con to escape the cycle of violence and despair that has marked his life as an African American in an American city. We explore a different kind of violence in Tim O’Brien’s *The Things They Carried* (1990), which is arguably the most important work of fiction to emerge from the Viet Nam war. We end with Amy Tan’s intricate structural experiment in mahjong storytelling, *The Joy Luck Club* (1989), sixteen stories in which the mothers and daughters of four Chinese American families take turns in detailing their personal and family histories. These four books constitute rich experiments in literary form that provide new insights in their explorations of identity, ethnicity, community, immigration, crime, war, family, and much more.

**Books:**  

**Date:** Wednesday, February 1, 8, 15, 22, 2022  

**Time:** 10:00 am – 11:30 am  

**Location:** Zoom
Alfred Bendixen received his Ph.D. in 1979 from the University of North Carolina and taught at Barnard College, California State University, Los Angeles, and Texas A&M University before joining the Princeton faculty in 2014. Much of his scholarship has been devoted to the recovery of 19th-century texts, particularly by women writers, and to the exploration of neglected genres, including the ghost story, detective fiction, science fiction, and travel writing. His teaching interests include the entire range of American literature as well as courses in science fiction, graphic narrative, and gender studies. Professor Bendixen may be best known as the founder of the American Literature Association, the most important scholarly organization in his field, which he continues to serve as Executive Director and as a frequent director of its national conferences. His most recent books include A Companion to the American Novel, (Wiley-Blackwell, 2012), The Cambridge History of American Poetry (co-edited with Stephen Burt; Cambridge University Press, 2015), and The Centrality of Crime Fiction in American Literary Culture (co-edited with Olivia Carr Edenfield; Routledge, 2017). His Library of America edition of the fiction and poetry of Charlotte Perkins Gilman will appear in August 2022.

ASC600 Tech Ethics

Professor Steven A. Kelts, Princeton School of Public and International Affairs

Description: How do we solve the social dilemmas posed by new technologies? Could a self-driving car or facial recognition algorithm be programmed to do good? We will look at ethical theories and apply them to these practical problems and more, including: how tech changes social networks; the meaning of "free speech" in new technological environments; technologies that exacerbate racial or gender discrimination; how the use of cryptocurrencies and fintech exacerbate inequality; how the use of A.I. in the health sectors will affect privacy; how artificial intelligence questions existing understandings of what it means to be an ethical human.

Date: Tuesdays, February 7, 14, 21, 28, 2022

Time: 2:00 – 3:30

Location: tbd

Steven Kelts is a Lecturer in Princeton University’s School of Public and International Affairs, and is affiliated with the University Center for Human Values (UCHV). He is also an ethics advisor to the Responsible A.I. Institute. He has recently published on the special nature of today’s tech firms and their potential for ethical action in a special issue of Technology and Society Magazine (peer-reviewed). He has also published with IEEE on the role of social responsibility in tech corporations, in the proceedings of the International Symposium on Technology and Society 2021 (peer reviewed). He is the recipient of a grant from the Council on Science and Technology for a program called “Agile Ethics,” teaching undergraduate CS and Engineering majors how to consider ethical issues within their professional workflows. He also received a seed grant from Google to apply findings from this program in corporate environments, looking specifically at the uses and misuses of utilitarian logic by engineers on Agile teams (incl. Scrum, Kanban, MLOps, etc.). Kelts has published a recent review in Teaching Philosophy about instruction in tech ethics. His teaching on tech ethics has been recognized nationally.
DEPARTMENT OF AFRICAN AMERICAN STUDIES

African American Literature: Harlem Renaissance to Present
AAS 359
Professor(s): Nishikawa, Kinohi

Description/Objectives: A survey of 20th- and 21st-century African American literature, including the tradition's key aesthetic manifestos. Special attention to how modern African American literature fits into certain periods and why certain innovations in genre and style emerged when they did. Poetry, essays, novels, popular fiction, a stage production or two, and related visual texts.

Schedule: L01 08:30 AM - 09:50 AM M W

ART AND ARCHAEOLOGY

Art and Power in the Middle Ages
ART 228
Professor(s): Barber, Charlie, Sauquet, Mathilde

Description/Objectives: The course explores how art worked in politics and religion from ca. 300-1200 CE in Europe, the Middle East and Africa. Students encounter the arts of Catholicism and Orthodoxy, Judaism and Islam, great courts and migratory societies, dynamics of word and image, multilingualism, intercultural connection, and local identity. We examine how art can represent and shape notions of sacred and secular power. We consider how the work of 'art' in this period is itself powerful and, sometimes, dangerous. Course format combines lecture on various cultural contexts with workshop discussion focused on specific media and materials, or individual examples.

Schedule: L01 03:00 PM - 04:20 PM M W

Contemporary Art: 1950 - 2000
ART 214
Professor(s): Perl, AnnMarie

Description/Objectives: A survey of postwar art from an international perspective, focusing on the major artistic movements in their historical contexts, including the Second World War, the Cold War, decolonization, the civil rights movement, feminism, globalization, and economic boom and recession. Lectures explore several themes including art's relationship to popular culture, the mass media, consumer society, historical memory, and political and social activism. Throughout, we account for the startling formal metamorphoses of art itself, as it is transformed from traditional painting and sculpture into new forms that challenged the very nature and limits of art.

Schedule: L01 10:00 AM - 10:50 AM T TH
Intro to the History of Architecture
ART 102
Professor(s): Holzman, Samuel, Yerkes, Carolyn

Description/Objectives: A survey of architectural history, from ancient Egypt to contemporary America, that includes comparative material from around the world. This course stresses a critical approach to architecture through the analysis of context, expressive content, function, structure, style, building technology, and theory. Discussion will focus on key monuments and readings that have shaped the history of architecture.

Schedule: L01 11:00 AM - 11:50 AM M W

ASTROPHYSICAL SCIENCES

Black Holes
AST 206
Professor(s): Quataert, Eliot

Description/Objectives: Black holes are amazing: so much mass is contained in such a small region of space that nothing, not even light, can escape. In this class, we will learn to understand what black holes are, and (equally importantly) what they are not (sorry, science fiction!). We will grapple with the seeming simplicity of black holes and their weirdness. We will also study how black holes are discovered and how they give rise to some of the most astonishing phenomena in the Universe. We will cover concepts at the forefront of modern astronomy and physics and highlight the power of quantitative thinking (algebra only) and the scientific method.

Schedule: L01 01:30 PM - 02:50 PM T TH

The Universe
AST 203
Professor(s): Spitkovsky, Anatoly, Strauss, Michael

Description/Objectives: This course, whose subject matter covers the entire universe, targets the frontiers of modern astrophysics. Topics include the planets of our solar system; the search for extrasolar planets and extraterrestrial life and intelligence; the birth, life, and death of stars; black holes; the zoo of galaxies and their evolution; the Big Bang and the expanding universe; and dark matter, dark energy, and the large-scale structure of the universe. This course is designed for the non-science major and has no prerequisites past high school algebra and geometry. High school physics would be useful but is not required.

Schedule: L01 03:00 PM - 04:20 PM T TH

Topics in Modern Astronomy
AST 204
Professor(s): Winn, Joshua Nathan
Description/Objectives: The solar system and planets around other stars; the structure and evolution of stars; supernovae, neutron stars, and black holes; gravitational waves; the interstellar matter; the formation and structure of galaxies; cosmology, dark matter, dark energy, and the history of the entire universe. Compared to AST 203, this course employs more mathematics and physics. Intended for quantitatively oriented students.

Schedule: L01 03:00 PM - 04:20 PM M W

CHEMICAL AND BIOLOGICAL ENGINEERING

The Physical Basis of Human Disease
CBE 440
Professor(s): Nelson, Celeste

Description/Objectives: This course covers major diseases (cancer, diabetes, heart disease, infectious diseases), the physical changes that inflict morbidity and mortality, the design constraints for treatment, and emerging technologies that take into account these physical hurdles. Taking the perspective of the design constraints on the system (that is, the mass transport and biophysical limitations of the human body), we will survey recent innovations from the fields of drug delivery, gene therapy, tissue engineering, and nanotechnology.

Schedule: L01 11:00 AM - 12:20 PM T TH

CIVIL AND ENVIRONMENTAL ENGINEERING

Risk Analysis
CEE 460
Professor(s): Lin, Ning


Schedule: L01 01:30 PM - 02:50 PM T TH

Statics of Structures
CEE 312
Professor(s): Glisic, Branko

Description/Objectives: Develops notions of internal forces and displacements and instructs students how to design and analyze structures. Presents the fundamental
principles of structural analysis, determination of internal forces, and deflections under the static load conditions, and introduces the bending theory of plane beams and the basic energy theorems. The theory of the first order will be developed for continuous girders, frames, arches, suspension bridges, and trusses, including both statically determinate and indeterminate structures. Basic principles for construction of influence lines and determination of extreme influences will be presented.

**Schedule:** L01 09:00 AM - 09:50 AM M W

**Structures and the Urban Environment**
CEE 262B
**Professor(s):** Garlock, Maria

**Description/Objectives:** Known as "Bridges", this course focuses on structural engineering as a new art form begun during the Industrial Revolution and flourishing today in long-span bridges, thin shell concrete vaults, and tall buildings. Through laboratory experiments students study the scientific basis for structural performance and thereby connect external forms to the internal forces in the major works of structural engineers. Illustrations are taken from various cities and countries thus demonstrating the influence of culture on our built environment.

**Schedule:** L01 10:00 AM - 10:50 AM M W

**CLASSICS**

**Rhetoric and Politics**
CLA 232
**Professor(s):** Bourbouhakis, Emmanuel C.

**Description/Objectives:** What are the features of persuasive political speech? The reliance of democratic politics on memorable oratory stems from traditions dating back to ancient Greece and Rome which were revived in the modern era of parliamentary debates and stump speeches. This course will analyze the rhetorical structure of famous political speeches over time in a bid to better understand the potent mixture of aesthetics and ideology that characterizes political rhetoric, as well as the equally long tradition of regarding political rhetoric as insincere and unscrupulous. Students will try their hand at political speechwriting and oratory in class.

**Schedule:** L01 01:30 PM - 02:20 PM T TH

**The Greek World in the Hellenistic Age**
CLA 217
**Professor(s):** Domingo Gygax, Marc

**Description/Objectives:** The Greek experience from Alexander the Great through Cleopatra. An exploration of the dramatic expansion of the Greek world into Egypt and the Near East brought about by the conquests and achievements of Alexander. Study of the profound political, social, and intellectual changes that stemmed from the interaction
of new cultures, and the entrance of Rome into the Greek world. Readings include history, biography, and inscriptions.

**Schedule:** L01 03:30 PM - 04:20 PM M W

**COMPARATIVE LITERATURE**

**Traditions, Tales, and Tunes: Slavic and**
**COM 236**
**Professor(s):** Beissinger, Margaret

**Description/Objectives:** This course explores oral traditions and oral literary genres (in English translation) of the Slavic and East European world, both past and present, including traditions that draw from the Christian, Muslim, and Jewish East European communities. Topics include traditional rituals (life-cycle and seasonal) and folklore associated with them, sung and spoken oral traditional narrative: poetry (epic and ballad) and prose (folktale and legend), and contemporary forms of traditional and popular culture. Discussion and analysis will focus on the role and meaning of Slavic and East European oral traditions as forms of expressive culture.

**Schedule:** L01 01:30 PM - 02:50 PM M

**What is Socialism? Literature and Politics**
**COM 207**
**Professor(s):** Conisbee Baer, Benjamin

**Description/Objectives:** This class introduces the historic diversity of socialisms through readings in classic socialist philosophy, literature and political writings. We are guided by these questions: How does socialism relate to communism and capitalism? How does it define democracy, equality, freedom, individuality, and collectivity? How does socialism relate to struggles for racial, gender and ecological justice? Are socialist ethics connected to religious traditions such as Christianity and Islam that teach human equality? What is the "social" in socialism? How may we understand injustices committed in socialism's name alongside its striving for social justice?

**Schedule:** L01 01:30 PM - 02:50 PM T

**Who Owns This Sentence? Copyright**
**COM 332**
**Professor(s):** Bellos, David

**Description/Objectives:** Copyright arose in 18C London to regulate the book trade. It now covers almost all creative activities, from visual arts to music, movies, computer code, video games and business methods. How and why did it spread so far, and for whose benefit? Is it the right framework for a large part of modern economies, or is it time for a rethink? This course studies the history of copyright and its philosophical and social justification from Diderot and Dickens to Google and Meta. It returns at each stage
to ask how the arts were supported, and how they should be supported now in a world dominated by copyright corporations.

**Schedule:** L01 11:00 AM - 12:20 PM T

**COMPUTER SCIENCE**

**Advanced Programming Techniques**  
**COS 333**  
**Professor(s):** Dondero Jr., Robert.

**Description/Objectives:** This is a course about the practice of programming. Programming is more than just writing code. Programmers must also assess tradeoffs, choose among design alternatives, debug and test, improve performance, and maintain software written by themselves & others. At the same time, they must be concerned with compatibility, robustness, and reliability, while meeting specifications. Students will have the opportunity to develop these skills by working on their own code and in group projects.

**Schedule:** L01 03:00 PM - 04:20 PM T TH

**Computer Vision**  
**COS 429**  
**Professor(s):** Russakovsky, Olga

**Description/Objectives:** This course is an introduction to the concepts of 2D and 3D computer vision. It surveys a wide range of topics from level-level vision to high-level recognition. We will discuss concepts such as filtering and edge detection; cameras and shape reconstruction; segmentation and clustering; optical flow and tracking; object recognition; motion recognition; statistical modeling of visual data, etc. Throughout the course, there will also be examination of aspects of human vision and perception that guide and inspire computer vision techniques.

**Schedule:** L01 03:00 PM - 04:20 PM M W

**Information Security**  
**COS 432**  
**Professor(s):** Apostolaki, Maria, Mittal, Prateek

**Description/Objectives:** Course goals: learn how to design a secure system, probe systems for weaknesses, write code with fewer security bugs, use crypto libraries correctly, protect (or breach!) privacy, and use your powers ethically. Main topics: basic cryptography, system security, network security, firewalls, malware, web security, privacy technologies, cryptocurrencies, human factors, physical security, economics, and ethics of security.

**Schedule:** L01 09:30 AM - 10:50 AM T TH
Introduction to Programming Systems  
COS 217  
Professor(s): Gabai, Donna, Moretti, Christopher, Rexford, Jennifer

Description/Objectives: Developing programming skills for systems building, including modular program design, programming style, testing, debugging, and performance tuning. Additionally, an introduction to ARM assembly language and machine language.

Schedule: L01 10:00 AM - 10:50 AM M W

Nand to Tetris: Building a Modern Computing  
COS 205  
Professor(s): Schocken, Shimon

Description/Objectives: A hands-on synthesis of key topics from digital architectures and software engineering in one course. Starting with the most elementary logic gate, Nand, students build a general-purpose computer system that can run Tetris, and any other program. You will learn how computers work, how they are constructed, and how to plan and build large-scale systems. The hardware platform (logic gates, RAM, CPU) is built in a simple Hardware Description Language, learned in the course; The software hierarchy (assembler, compiler, basic OS) is built in Java. Assignments are done in pairs and are supported by extensive scaffolding and partial implementations.

Schedule: L01 11:00 AM - 12:20 PM M W

EAST ASIAN STUDIES

Introduction to Chinese Literature  
EAS 232  
Professor(s): Shields, Anna

Description/Objectives: An introduction to some of the most important texts, writers, and topics of Classical Literature from antiquity through the Song dynasty. All readings are in English, and no previous background in Chinese or Asian culture is required. Topics include nature of the Chinese language; the beginnings of poetry; development of narrative and historical writing; classical Chinese poetics; literature of protest, dissent, and political satire; love poetry; religious and philosophical ideas in Chinese literature.

Schedule: L01 10:00 AM - 10:50 AM T TH

ELECTRICAL AND COMPUTER ENGINEERING

Information Signals  
ECE 201  
Professor(s): Kulkarni, Sanjeev

Description/Objectives: Signals that carry information, e.g. sound, images, sensors,
radar, communication, robotic control, play a central role in technology and engineering. This course teaches mathematical tools to analyze, manipulate, and preserve information signals. We discuss how continuous signals can be perfectly represented through sampling, leading to digital signals. Major focus points are the Fourier transform, linear time-invariant systems, frequency domain, and filtering. We use MatLab for laboratory exercises. Three lectures, one laboratory.

**Schedule:** L01 09:30 AM - 10:50 AM T TH

**Introduction To Wireless Communication**
ECE 368
**Professor(s):** Ghasempour, Yasaman

**Description/Objectives:** Communication systems have become a ubiquitous part of modern life. This course introduces students to the basics of digital communication and wireless systems. Topics include concepts from signal modulation and radio propagation to wireless networks and mobile systems. Students will also gain hands-on experience through working with software-defined radios and will learn about the implementation aspects of practical systems. Additionally, students will learn data analysis and learning techniques relevant to perceiving wireless signals.

**Schedule:** L01 10:00 AM - 10:50 AM M W F

**ECONOMICS**

**Asian Capital Markets**
ECO 492
**Professor(s):** Zhou, Haonan de Swaan, Jean-Christophe

**Description/Objectives:** Course explores the increasing weight of Asia in global financial markets and its implications. It frames the discussion in the context of the globalization of financial markets, with emphasis on concepts of economic development, institutional reform of markets, and public and private market investments. Discussions and investment case studies will combine analysis of historical trends and recent data with insights from practical experience in Asian markets. Course considers China's gradual shift toward a capital market-based financial system, the potential revival of Japanese capital markets, and the development of Indian capital markets.

**Schedule:** L01 01:30 PM - 04:20 PM TH

**Behavioral Finance**
ECO 468
**Professor(s):** Cox, Natalie

**Description/Objectives:** Traditional finance typically considers that financial markets are efficient because investors are rational and maximize their expected utility from
consumption. This course departs from this view and discusses how inefficiencies arise due to psychology and limits to arbitrage. The psychology of investors shapes their preferences and may impair their judgment. Whether these psychological factors have an impact on financial markets ultimately depends on arbitrageurs' ability to fight against mispricing’s. These issues will be covered through lectures and class games and will allow discussions about cognitive illusions and speculative bubbles.

**Schedule:** L01 01:30 PM - 04:20 PM F

**Corporate Finance and Financial Institutions**  
**ECO 363**  
**Professor(s):** Schoenherr, David

**Description/Objectives:** This course examines the determinants of corporate financing decisions and the role of financial institutions in the wider context of the working of financial markets. Topics include capital budgeting, capital structure, risk management, and corporate governance. Additionally, the course introduces various methodologies for valuing individual projects, as well as entire companies.

**Schedule:** L01 11:00 AM - 12:20 PM T TH

**Economics of Health and Health Care**  
**ECO 332**  
**Professor(s):** Noonan, Kelly Ouyang, Linda

**Description/Objectives:** Health economics is a growing field of applied microeconomics and is an important aspect of public policy. This course explores the health care sector and health policy issues from an economic perspective. Microeconomics tools will be used to analyze the functioning of different pieces of the health care system. Topics will range from fundamental subjects, such as the demand for health, to more recent developments, such as mental health, child health and risky health behaviors. This course teaches an economic approach to studying the various policies that affect health and health behaviors.

**Schedule:** L01 11:00 AM - 12:20 PM M W

**International Monetary Economics**  
**ECO 353**  
**Professor(s):** Zaidi, Iqbal

**Description/Objectives:** This course studies topics in open-economy macroeconomics and international finance. Topics include Exchange Rates, Current Account Imbalances, Inflation, Sovereign Debt, and Open Economy Macroeconomics. The course will include economic theory as well as several applications.

**Schedule:** L01 03:00 PM - 04:20 PM T TH
Introduction to Macroeconomics
ECO 101
Professor(s): Rogerson, Richard Yoon, Chansik

Description/Objectives: This course focuses on the forces that shape changes in overall economic outcomes in both the short and long run, and the potential for macroeconomic policy to affect these outcomes in a positive way. The course will introduce students to the basic frameworks that are used by researchers and policy makers. Specific topics covered include growth, development, inequality, the stock market, the environment, unemployment, inflation, business cycles, the financial system and trade. Problem sets will help students build skills in basic data analysis and quantitative methods.

Schedule: L01 11:00 AM - 11:50 AM T TH

Introduction to Microeconomics
ECO 100
Professor(s): Boustan, Leah Vaeth, Martin

Description/Objectives: Economics studies the allocation of scarce resources. This course focuses on the decisions made by individual consumers and producers. We will consider a variety of different market structures ranging from monopoly to perfect competition and discuss the rationale for government involvement in market activity.

Other Information: E-book can be found here: https://www.core-econ.org/the-economy/?lang=en

Schedule: L01 11:00 AM - 11:50 AM M W

Macroeconomics: A Mathematical Approach
ECO 311
Professor(s): Oberfield, Ezra

Description/Objectives: This course examines the determinants of long-run economic growth, short-run business cycle fluctuations, asset prices, unemployment, and the conduct of fiscal and monetary policy. The first part of the course develops a framework for the analysis of households' consumption and savings behavior and firms' production decisions, and uses that to analyze growth, inequality, asset prices, and fiscal policy. The second part of the course extends that analysis to examine business cycle fluctuations, including unemployment and inflation. Current issues in macroeconomic and economic policy are discussed throughout.

Other Information: Course is more mathematically oriented than ECO 301. Knowledge of advanced microeconomics at the level of ECO 310 is extremely useful. Students who have not taken ECO 310 in previous semesters are strongly encouraged to take it concurrently to ECO 311.
Microeconomic Theory  
ECO 300  
Professor(s): Chassang, Sylvain

**Description/Objectives:** This course will cover the key tools of microeconomics. In particular we will learn how to model the behavior of individual decision makers, and how to aggregate their behavior to better understand the way larger institutions operate. A lot of the class will be geared towards a fundamental economic institution *the market* to develop a better understanding of when it thrives, and when it fails.

Statistics & Data Analysis for Economics  
ECO 202  
Professor(s): DiSalvo, Richard

**Description/Objectives:** An introduction to probability and statistical methods for empirical work in economics. Probability, random variables, sampling, descriptive statistics, probability distributions, estimation and hypotheses testing, introduction to the regression model.

Topics in Macroeconomics  
ECO 315  
Professor(s): Kiyotaki, Nobuhiro

**Description/Objectives:** This course uses economic theory to study the interaction between finance and aggregate production, financial crisis and public policy. The topics include historical overview, credit and asset price booms, banking crises, sovereign debt crises, covid-19 crisis, and monetary, fiscal and financial policies.

Behavioral Ecology  
EEB 313  
Professor(s): Riehl, Christina Pauline

**Description/Objectives:** How does a swarm of honeybees collectively decide on a new site for their hive? When a mother mouse protects her young, are her behaviors genetically determined? Why do ravens share food with each other? This course is an introduction to behavioral ecology, which asks why animals act the way they do, how their behaviors have been shaped by natural selection, and how these behaviors influence
their surroundings. We will first discuss behaviors at the individual level, then move to reproductive behaviors. The final section of the course will focus on social evolution, the origins of cooperation, and human behavioral ecology.

**Schedule:** L01 01:30 PM - 02:50 PM T TH

**ENGINEERING**

**Special Topics in Entrepreneurship**
**EGR 495**
**Professor(s):** Hollingsworth, Keith

**Description/Objectives:** This class is designed so that students can discover, recognize and debate two key objectives on Black entrepreneurship and business history: 1) Celebrate the achievements and resilience of the Black entrepreneurial community over the history of the country, and 2) explore the social, cultural and legal obstacles Black entrepreneurs faced and the impact of those obstacles until present day.

**Schedule:** L01 03:00 PM - 04:20 PM T TH

**Technology and Society**
**EGR 277**
**Professor(s):** Kshirsagar, Mihir

**Description/Objectives:** Technology and society are unthinkable without each other; each provides the means and framework in which the other develops. To explore this dynamic, this course investigates a wide array of questions on the interaction between technology, society, politics, and economics, emphasizing the themes such as innovation and regulation, risk and failure, ethics and expertise. Specific topics covered include nuclear power and disasters, green energy, the development and regulation of the Internet, medical expertise and controversy, intellectual property, the financial crisis, and the electric power grid.

**Schedule:** L01 11:00 AM - 11:50 AM M W

**Venture Capital & Finance of Innovation**
**EGR 395**
**Professor(s):** Hejazi, Shahram

**Description/Objectives:** Venture capital is a driving force behind innovation and entrepreneurship, although the unique working details of venture capital firms and their processes are well-kept secrets. Early-stage investors not only fund startups but also enable innovation through mentorship and partnership with the entrepreneurs. Understanding how these investors think and operate is critical to students who are interested in entrepreneurship, as well as to those who would like to pursue venture capital.
Other Information: This class is by application only. To be considered please submit a detailed description of your background and your reason for wanting to take this class. Submit to pucap@princeton.edu by January 13, 2023.

Schedule: L01 01:30 PM - 04:20 PM F

ENERGY STUDIES

Solar Energy Conversion
ENE 431
Professor(s): Rand, Barry P.


Schedule: L01 01:30 PM - 02:50 PM T TH

ENGLISH

American Television
ENG 275
Professor(s): Gleason, William

Description/Objectives: An introduction to the forms and meanings of American television, with an emphasis on watching, thinking, and writing critically about the medium. We will examine a range of structures, styles, and strategies specific to television, including episodic storytelling, the advent of streaming and "peak TV," and the role of television in establishing and sometimes disrupting norms of identity, politics, and aesthetics. The main approach throughout will be close analysis of specific genres, series, and episodes informed by the histories, contexts, and practices that make American television such a significant part of American culture.

Schedule: L01 12:30 PM - 01:20 PM M W

Rewriting the World: Literatures in English 1350-1850
ENG 200
Professor(s): Lewis, Rhodri

Description/Objectives: A survey of extraordinary writing, ideas, characters, and voices from the medieval period through the 18th century. We read diversely from Chaucer to Shakespeare, Milton, Austen and others, to trace the origins of our own modernity. What did reading and writing mean in the early modern world? Are they different today? We
examine England in relation to the globe, and we ask who gets included and excluded from "great books." What do people, places and situations that existed on the margins of early English society and literature teach us about the problems we currently face? Does seeing things their way help us view our own world differently?

Schedule: L01 10:00 AM - 10:50 AM M W

**Sally Rooney and her Contemporaries**  
ENG 269  
Professor(s): O’Toole, Fintan

**Description/Objectives:** The young Irish novelist Sally Rooney is widely seen as the writer who best expresses the anxieties and hopes of her generation in the western world. Her three novels - *Conversations with Friends* (2017); *Normal People* (2018); and *Beautiful World, Where Are You* (2021) - have sold millions of copies and explored sexuality, friendship, communication, social class and inequality. In this seminar course, we explore Rooney's work in the context of the recent and remarkable flowering of fiction by Irish women.

Schedule: L01 01:30 PM - 03:20 PM TH

**PROGRAM IN ENVIRONMENTAL STUDIES**

**Environmental Keywords**  
ENV 238  
Professor(s): Carruth, Allison

**Description/Objectives:** Introduces students to cross-disciplinary concepts that shape how complex environmental challenges are defined, studied, and addressed. These concepts include biodiversity, climate change, ecosystem, environmental racism, pollution, sustainability, and wilderness. Examines a wide range of case studies - from the U.S. National Park Service and the Intergovernmental Panel on Climate Change (IPCC) to the First National People of Color Environmental Leadership Summit and Extinction Rebellion.

Schedule: L01 11:00 AM - 12:20 PM W F

**GERMAN**

**Introduction to German Philosophy**  
GER 210  
Professor(s): Wankhammer, Johannes

**Description/Objectives:** What can I know? What ought I to do? What may I hope? Proceeding from Kant's trio of questions, this course explores the German philosophical tradition from the Enlightenment to the present through the study of its major figures (Kant, Hegel, Marx, Nietzsche, Heidegger, Adorno, Arendt). Based on direct engagement
with original texts, the course offers both a survey of German intellectual history and an introduction to the foundations of modern critical thought. We will discuss problems in the theory of knowledge, moral and political philosophy, metaphysics, and aesthetics.

Other Information:
Course taught in English based on texts in English translation. For students interested in philosophy, history, politics, aesthetics, literature, or critical theory.

Schedule: L01 01:30 PM - 02:50 PM T

HISTORY

British Empire in World Hist. 1600-2000
HIS 214
Professor(s): Colley, Linda

Description/Objectives: Until 1918, empire was the most common form of rule and political organization. This lecture course focuses on England, Wales, Scotland and Ireland, and the Empire these peoples generated after c.1600, and uses this as a lens through which to examine the phenomenon of empire more broadly. How and how far did this small set of islands establish global predominance and when did this fail? What roles did war, race, religion, economics, culture and migration play in these processes? And how far do the great powers of today retain characteristics of empire?

Schedule: L01 10:00 AM - 10:50 AM M W

Capitalism
HIS 262
Professor(s): Adelman, Jeremy Ian

Description/Objectives: Capitalism has been the dominant form of social and economic organization since the industrial revolution, defining what we eat, what we wear, and how we work. Since its dawn, capitalism has also fueled discontent and revolution. How does a historical perspective give insights for the future? This course is about the history of economic life around the world, from peasant communities in the nineteenth century to fashionistas and wealth managers in the twenty-first century. It looks especially at the technological, institutional, and intellectual forces governing how people survive, flourish, and struggle.

Schedule: L01 02:30 PM - 03:20 PM T TH

China, 1850 to the Present
HIS 325
Professor(s): Chen, Janet

Description/Objectives: This course is an introduction to the history of modern China, from imperial dynasty to Republic, from Red Guards to red capitalists. Through primary
sources in translation, we will explore political and social revolutions, transformations in gender relations and intellectual life, and competing explanations for events such as the rise of the Communist Party and the 1989 democracy movement. Major themes include: the impact of imperialism, tensions between governance and dissent, the rise of nationalism, the political stakes of historical interpretation, and the significance of China's history for its present and future.

**Schedule:** L01 12:30 PM - 01:20 PM T TH

**Colonial and Postcolonial Africa**  
**HIS 315**  
**Professor(s):** Dlamini, Jacob S.

**Description/Objectives:** This course is an examination of the major political and economic trends in twentieth-century African history. It offers an interpretation of modern African history and the sources of its present predicament. In particular, we study the foundations of the colonial state, the legacy of the late colonial state (the period before independence), the rise and problems of resistance and nationalism, the immediate challenges of the independent states (such as bureaucracy and democracy), the more recent crises (such as debt and civil wars) on the continent, and the latest attempts to address these challenges from within the continent.

**Schedule:** L01 01:30 PM - 02:20 PM T TH

**East Asia since 1800**  
**HIS 208**  
**Professor(s):** Bian, He; Garon, Sheldon

**Description/Objectives:** This course is an introduction to the history of modern East Asia. We will examine the inter-related histories of China, Japan, and Korea since 1800 and their relationships with the wider world. Major topics include: trade and cultural exchanges, reform and revolutions, war, colonialism, imperialism, and Cold War geopolitics.

**Schedule:** L01 10:00 AM - 10:50 AM M W

**Europe in the World: 1776 to the Present**  
**HIS 212**  
**Professor(s):** James, Harold

**Description/Objectives:** An overview of European history since the French Revolution, taking as its major theme the changing role of Europe in the world. It looks at the global legacies of the French and Russian revolutions, and how the Industrial Revolution augmented the power of European states, sometimes through formal and sometimes informal imperialism. How did ideologies like nationalism, liberalism, communism and fascism emerge from European origins and how were they transformed? How differently
did Europeans experience the two phases of globalization in the 19th and 20th centuries? Biographies are used as a way of approaching the problem of structural change.

**Schedule:** L01 01:30 PM - 02:20 PM M W

**Gender and Sexuality in Modern America**  
**HIS 384**  
**Professor(s):** Canaday, Margot

**Description/Objectives:** This course examines the history of gender and sexuality across the 20th century, with emphasis on both regulation and resistance. Topics include early homosexual subcultures; the commercialization of sex; reproduction and its limitation; sex, gender, and war; cold war sexual containment; the feminist movement; conservative backlash; AIDS politics; same-sex marriage; Hillary; and many others.

**Schedule:** L01 11:00 AM - 11:50 AM M W

**Native American History**  
**HIS 271**  
**Professor(s):** Ellis, Elizabeth

**Description/Objectives:** This course is designed to introduce students to the historical processes and issues that have shaped the lives if Indigenous Americans over the past five centuries. We will explore the ways that the diverse peoples who lived in the Americas constructed different kinds of societies and how their goals and political decisions shaped the lives of all those who would come to inhabit the North American continent. The course requires students to read and analyze historical documents and contemporary literature and includes a visit to the National Museum of the American Indian in New York City.

**Schedule:** L01 10:00 AM - 10:50 AM M W

**Race, Drugs, and Drug Policy in America**  
**HIS 393**  
**Professor(s):** Wailoo, Keith

**Description/Objectives:** From "Chinese opium" to Oxycontin, and from cocaine and "crack" to BiDil, drug controversies reflect enduring debates about the role of medicine, the law, the policing of ethnic identity, and racial difference. This course explores the history of controversial substances (prescription medicines, over-the-counter products, black market substances, psychoactive drugs), and how, from cigarettes to alcohol and opium, they become vehicles for heated debates over immigration, identity, cultural and biological difference, criminal character, the line between legality and illegality, and the boundaries of the normal and the pathological.

**Schedule:** L01 10:00 AM - 10:50 AM T TH
The American Civil War & Reconstruction  
**HIS 376**  
**Professor(s):** Karp, Matthew

**Description/Objectives:** Why did the flourishing United States, by some measures the richest and most democratic nation of its era, fight the bloodiest civil war in the 19th century Western world? How did that war escalate into a revolutionary political struggle that transformed the nation—and then, almost as rapidly, give way to a reactionary backlash? This course will explore the causes, course, and consequences of the U.S. Civil War and Reconstruction, keeping in mind the ways that America's greatest conflict also represented a major event in the history of the global 19th century, and a landmark moment in the making of the modern world.

**Schedule:** L01 12:30 PM - 01:20 PM M W

The Soviet Empire  
**HIS 362**  
**Professor(s):** Heinzen, James

**Description/Objectives:** An examination of the transformation of the Russian Empire into the Soviet Empire. Topics include: the invention and unfolding of single-party revolutionary politics, the expansion of the machinery of state, the onset and development of Stalin's personal despotism, the violent attempt to create a non-capitalist society, the experiences, and consequences of the monumental war with Nazi Germany, and the various postwar reforms. Special attention paid to the dynamics of the new socialist society, the connection between the power of the state and everyday life, global communism, and the 1991 collapse.

**Schedule:** L01 11:00 AM - 11:50 AM T TH

War in the Modern Western World  
**HIS 283**  
**Professor(s):** Bell, David

**Description/Objectives:** A survey of the history of war in the Western world since the late Middle Ages. Will cover both "operational" military history (strategy, tactics, logistics, mobilization, etc.), and the relationship of war to broad changes in politics, society, and culture.

**Schedule:** L01 02:30 PM - 03:20 PM M W
MECHANICAL AND AEROSPACE ENGINEERING

Mechanics of Fluids
MAE  222
Professor(s): Nosenchuck, Daniel Mark

Description/Objectives: Introduction to the physical and analytical description of phenomena associated with the flow of fluids. Topics include the principles of conservation of mass, momentum, and energy; lift and drag; open channel flow; dynamic similitude; laminar and turbulent flow and an introduction to compressible subsonic and supersonic internal and external flows.

Schedule: L01 11:00 AM - 11:50 AM M W F

MATHEMATICS

Algebra II
MAT  346
Professor(s): Pan, Lue

Description/Objectives: Local Fields and the Galois theory of Local Fields.

Schedule: L01 03:00 PM - 04:20 PM T TH

Analysis I: Fourier Series and PDE
MAT  325
Professor(s): Ionescu, Alexandru.

Description/Objectives: Basic facts about Fourier Series, Fourier Transformations, and applications to the classical partial differential equations will be covered. Also Finite Fourier Series, Dirichlet Characters, and applications to properties of primes.

Schedule: L01 01:30 PM - 02:50 PM T TH

Numerical Methods
MAT  321
Professor(s): Gilles, Marc

Description/Objectives: Introduction to numerical methods with emphasis on algorithms, applications, and numerical analysis. Topics covered include solution of nonlinear equations; numerical differentiation, integration, and interpolation; direct and iterative methods for solving linear systems; computation of eigenvectors and eigenvalues; and approximation theory. Lectures include mathematical proofs where they provide insight and are supplemented with numerical demos using MATLAB.

Other Information:
This is an introductory course designed for upper class undergraduates and beginning grad students in fields related to applied math and engineering. Special attention is paid to
numerical analysis and algorithm development. Students are expected to accumulate hands-on experience by programming and running numerical simulations assigned as homework problems. A substantial amount of time in class is dedicated to mathematical analysis of numerical methods, with proofs.

**Schedule:** L01 01:30 PM - 02:50 PM M W

**MOLECULAR BIOLOGY**

**Molecular Basis of Cancer**  
MOL 423  
Professor(s): Kang, Yibin

**Description/Objectives:** We will explore the molecular events leading to the onset and progression of human cancer. We will review the central genetic and biochemical elements that make up the cell cycle, followed by a survey of the signal transduction pathways and checkpoints that regulate it. We will discuss oncogenes, tumor suppressor and mutator genes that act in these pathways and review the role of viral oncogenes and their action on cells. We will investigate the role of cancer stem cells and the interaction between tumor and the host environment. We will explore specific clinical case studies in light of the molecular events underlying different cancers.

**Schedule:** L01 01:30 PM - 02:50 PM T TH

**Molecular and Cellular Immunology**  
MOL 340  
Professor(s): Ploss, Alexander

**Description/Objectives:** A broad survey of the field of immunology and the mammalian immune system. The cellular and molecular basis of innate and acquired immunity will be discussed in detail. The course will provide frequent examples drawn from human biology in health and disease.

**Schedule:** L01 09:00 AM - 09:50 AM M W F

**MATERIALS SCIENCE AND ENGINEERING**

**Materials Science and Engineering**  
MSE 301  
Professor(s): Cava, Robert

**Description/Objectives:** An introduction to the structure and properties of important current and future materials, including metals, ceramics, semiconductors, polymers. Emphasis will be placed on the phase behavior, processing of materials, and how the structure of these materials affect their physical, mechanical, electrical and thermal properties.
Schedule: L01 01:30 PM - 02:50 PM M W

MUSIC

Music of the Classical Period
MUS 236
Professor(s): Ochs, Ruth

Description/Objectives: A survey of the styles, forms, composers and performance contexts from 1750 to the first decade of the nineteenth century. The course addresses important developments in the realm of instrumental music, liturgical music, and opera, and will bring to the table the contributions of musicians sometimes left out of the musical history of this era.

Schedule: L01 12:30 PM - 01:20 PM T TH

NEUROSCIENCE

Introduction to Cognitive Neuroscience
NEU 202
Professor(s): Gomez, Jesse

Description/Objectives: Cognitive neuroscience is a young and exciting field with many questions yet to be answered. This course surveys current knowledge about the neural basis of perception, cognition and action and will comprehensively cover topics such as high-level vision, attention, memory, language, decision making, as well as their typical and atypical development. Precepts will discuss the assigned research articles, pertaining to topics covered in class with an emphasis on developing critical reading skills of scientific literature.

Schedule: L01 01:30 PM - 02:20 PM M W

Sensation and Perception
NEU 325
Professor(s): Pillow, Jonathan

Description/Objectives: This course will provide an introduction to the scientific study of sensation and perception, the biological and psychological processes by which we perceive and interpret the world around us. We will undertake a detailed study of the major senses (vision, audition, touch, smell, taste), using insights from a variety of disciplines (philosophy, physics, computer science, neuroscience, psychology) to examine how these senses work and why. We will begin with physical bases for perceptual information (e.g., light, sound waves) and proceed to an investigation of the structures, circuits, and mechanisms by which the brain forms sensory percepts.

Schedule: L01 10:00 AM - 10:50 AM T TH
PROGRAM IN LINGUISTICS

Language in Its Contexts
LIN 250
Professor(s): Kalin, Laura

Description/Objectives: This course investigates language in its social, cultural, political, and historical contexts. Does your native language influence your perception, your behavior, and your culture? How does your identity influence properties of your language? What happens when unrelated languages come into contact for prolonged periods? How are new languages born? Why isn't English the official language of the United States, and should it be? We will explore these questions (and more) by engaging with the often-contradictory opinions of specialists and the public, as well as with the empirical realities behind these different language situations.

Schedule: L01 11:00 AM - 12:20 PM T TH

PHILOSOPHY

Introductory Logic
PHI 201
Professor(s): Stojnic, Una

Description/Objectives: Logic is the study of the principles of valid reasoning. This course provides an introduction to symbolic logic, which studies the principles of valid reasoning from an abstract point of view—paying attention to the form of valid arguments rather than their subject matter. We will cover the basic concepts and principles of symbolic logic: validity, logical truth, truth-functional and quantificational inference, formal languages and formal systems, axiomatic and deductive proof procedures.

Schedule: L01 01:30 PM - 02:20 PM M W

Systematic Ethics
PHI 307
Professor(s): Smith, Michael

Description/Objectives: A survey of major problems and developments in twentieth century metaethics, from G.E. Moore to the present.

Schedule: L01 01:30 PM - 02:20 PM T TH

PHYSICS

Introductory Physics II
PHY 102
Professor(s): Visnjic, Katerina
Description/Objectives: This course presents an introduction to the fundamental laws of nature, especially optics, electricity/magnetism, nuclear and atomic theory. These are treated quantitatively with an emphasis on problem solving. The laboratory is intended to give students an opportunity to observe physical phenomena and to gain "hands-on" experience with apparatus and instruments.

Schedule: L01 12:30 PM - 01:20 PM TH

POLITICS

Antidiscrimination Law
POL 319
Professor(s): Frymer, Paul

Description/Objectives: The 14th Amendment is the centerpiece of constitutional debates about equality. This class explores the development and ongoing debates over the 14th Amendment, including the Equal Protection and Due Process Clauses. We also give attention to some additional statutes, notably Title VII of the Civil Rights Act of 1964 and the Voting Rights Act of 1965. The readings will largely be rooted in decisions by the U.S. Supreme Court, with a focus on race, sex, sexuality, religion, and disability. What constitutes discrimination and 'anti-discrimination'? What ought to be the goal for understanding equality, diversity, and acceptance?

Schedule: L01 11:00 AM - 11:50 AM T TH

Game Theory in Politics
POL 347
Professor(s): Iaryczower, Matias

Description/Objectives: An introduction to the use of formal game-theoretic models in the study of politics. Applications include voting, bargaining, lobbying, legislative institutions, and strategic information transmission. Familiarity with mathematical reasoning is helpful.

Schedule: L01 01:30 PM - 02:20 PM M W

Gender and Development
POL 357
Professor(s): Goyal, Tanushree

Description/Objectives: This course will examine where and why women and men are not treated equally, how gender inequality impacts human welfare and development, and what works to minimize gender inequality in the Global South. This course will introduce students to cutting-edge research on gender inequality in countries as diverse as India, China, South Korea, Brazil, Tunisia, Saudi Arabia, and Mali, as well as the reasons why some government efforts to reduce gender inequality are successful while others fail or even backfire. The course will emphasize the importance of culture and norms.
Other Information:
On completion, students can formulate novel research questions in gender and development and access complex research articles more quickly. Some questions discussed in the course: Does gender inequality cause economic under-development? Why are fewer women world leaders, politicians, computer scientists, and effective altruists? How do technological and climate shocks influence gender inequality?

Schedule: L01 03:30 PM - 04:20 PM T TH

International Organizations
POL 396
Professor(s): Vreeland, James Raymond

Description/Objectives: This course is about international cooperation and sacrifice. We consider global organizations: the United Nations, World Bank, IMF, and WHO; and regional ones: the European Union, Asian Development Bank, and African Development Bank. We also consider China's new institution, the AIIB. We examine their origins and effectiveness, and the interests of powerful members, like the US and China, as well as countries in Latin America and Africa. Taking a political-economy approach, the course pedagogy also involves references to films like Wonder Woman, Dark Knight, and The Godfather, as well as music by Adele and Bob Marley.

Other Information:
Why allow each student to choose how much the exams count? Students remember the experience of assigning their personal weight to their mid-term. What do they remember? Hopefully, they remember the point of the exam: imposing a credible commitment to study. Why are credible commitments important to remember for this class? A central question we pose about international organizations is whether they impose credible commitments on their members.

Schedule: L01 01:30 PM - 02:20 PM T TH

Policy Making in America
POL 329
Professor(s): Cameron, Charles M.

Description/Objectives: This course provides a realistic introduction to how public policy is made in the United States. It examines how people and political institutions come together to create and implement public policy. The course combines cutting edge social science with cases, simulations, and role-playing exercises to provide students with concrete skills and practical tools for actual policy making.

Schedule: L01 09:00 AM - 09:50 AM M W
Political Theory
POL 2105
Professor(s): Mehta, Pratap Bhanu

**Description/Objectives:** This introduction to political theory will examine different conceptions of the ends of politics, and the means to achieving those ends. In particular, we will be concerned with two problems central to politics. What is the relationship between politics and truth? But the public authority is also a system of power that obliges us and has the threat of force behind it. What justifies this power? In discussing these questions, we will come to understand key concepts: truth, power, violence, authority, equality, liberty, justice, and identity. Readings include, Plato, Augustine, Hobbes, Mill, Marx, Rousseau, Beauvoir, Du Bois, Fanon and Arendt.

**Schedule:** L01 10:00 AM - 10:50 AM M W

Politics and Religion
POL 309
Professor(s): Müller, Jan-Werner

**Description/Objectives:** We revisit some of the basic normative questions to do with religion and democratic politics: how can democratic polities be protected from religion, and how can religion be protected from politics? Might certain forms of democratic politics depend on religious sources? In particular, might liberal democracy actually "live off" religious sentiments in ways that many liberal theorists fail to acknowledge? Does even the religiously neutral state need a "civil religion" of some sort or other to preserve its moral foundations?

**Schedule:** L01 11:00 AM - 11:50 AM M W

Race and Politics in the United States
POL 344
Professor(s): Stephens-Dougan, LaFleur

**Description/Objectives:** African Americans in the United States have encountered myriad barriers to their quest for inclusion. Drawing on a mix of history and social science, we will come to understand why certain segments of America oppose the full inclusion of African Americans. We will also discuss the political strategies undertaken by the Black community to combat social, political, and economic injustices. The first half of the course will focus on historical antecedents such as the civil rights movement and the Black Power movement. The second half of the course will focus on the nature of contemporary racial attitudes in the 21st century.

**Schedule:** L01 02:30 PM - 03:20 PM T TH

The Politics of Development
POL 351
Professor(s): Kohli, Atul

Description/Objectives: This course will focus on the state's role in promoting economic growth and distribution in the developing world. The core organizing question for the course is: why some regions of the developing world have been more successful at industrialization and/or poverty alleviation than other regions. The students will learn about the patterns of development in Asia, Africa and Latin America, with special attention to such countries as China, India, South Korea, Nigeria and Brazil. General challenges that face all developing countries - globalization, establishing democracy and ethnic fragmentation - will also be analyzed.

Schedule: L01 11:00 AM - 11:50 AM T TH

Topics in American Statesmanship
POL 332
Professor(s): Brooks, Shilo

Description/Objectives: This course examines the art of statesmanship, the meaning of political greatness, and the proper means of educating aspiring young statesmen and stateswomen. The ambition, moral character, cunning, prudence, and grit required for effective statesmanship are analyzed using books written by past statesmen for future statesmen. The course also explores whether the life of grand politics is a desirable way of life. Differences between classical and modern statesmanship are considered, in addition to the unique political demands that different regimes (democracy, aristocracy, monarchy, tyranny) place on founders and leaders of nations.

Schedule: L01 12:30 PM - 01:20 PM M W

PSYCHOLOGY

Foundations of Psychological Thought
PSY 210
Professor(s): Sugarman, Susan

Description/Objectives: An exploration of original texts in the history of ideas about the workings of the human mind starting in Antiquity and leading to the development of the empirical discipline of psychology in the 19th century and some of its modern trends. Subsequent developments, including the child study movement, are explored though 20th century writings, culminating with Sartre's philosophical psychology and sources in Eastern thought to put the Western trajectory in perspective.

Other Information: masks required in this class

Schedule: L01 10:00 AM - 10:50 AM T TH

Health Psychology
PSY 317
Professor(s): Avena, Nicole M.
**Description/Objectives:** The objectives of this course are to understand the bio-psycho-social/processes that influence health-related behaviors, health and wellness, and healthcare delivery. Topics to be examined include the psycho-physiological, neuro-psychological, and socio-cultural bases of health and illness; pain; adaptation to chronic illness; stress; personality and illness; death, dying, and grief; substance use; obesity and nutrition.

**Schedule:** L01 11:00 AM - 11:50 AM T TH

**Psychology of Language**  
**PSY** 309  
**Professor(s):** Goldberg, Adele E.

**Description/Objectives:** The cognitive processes underlying the use and understanding of language, and in learning to speak. Topics include speech production and perception, grammar and meaning, knowledge and words, and pragmatic aspects of language.

**Schedule:** L01 11:00 AM - 11:50 AM T TH

**Social Psychology**  
**PSY** 252  
**Professor(s):** Carey, Rebecca Michelle

**Description/Objectives:** The scientific study of social behavior, with an emphasis on social interaction and group influence. Topics covered will include social perception, the formation of attitudes and prejudice, attraction, conformity and obedience, altruism and aggression, and group dynamics.

**Schedule:** L01 02:30 PM - 03:20 PM M W

**RELIGION**

**Jesus: How Christianity Began**  
**REL** 252  
**Professor(s):** Bremer-McCollum, Lydia

**Description/Objectives:** Who was Jesus of Nazareth? What do we know and how do we know it? This course takes up these questions and surveys the diverse history of interpretation of the life and teachings of Jesus and how this history shaped and continues to shape contemporary views of and debates about politics, race and ethnicity, sexuality and gender, and civil rights. Throughout the course, we will consider both historical material such as early gospels, letters, and Jewish and Roman sources as well as modern contexts of interpretation in theology, film, art, and music. This course is designed and open to all regardless of (or no) religious background.

**Schedule:** L01 12:30 PM - 01:20 PM M W
Religion and Reason
REL 264
Professor(s): Li, Elizabeth Xiao-an

Description/Objectives: An examination of the most influential theoretical, pragmatic, and moral arguments regarding the existence and nature of God (or gods). Along the way, we consider debates about whether and how we can talk or think about such a being, and about whether mystical experience, miracles, and the afterlife are intelligible notions. Finally, we consider whether religious commitment might be rationally acceptable without any proof or evidence, and whether the real-world fact of religious diversity has philosophical implications. Course readings will be taken from both historical and contemporary sources.

Schedule: L01 10:00 AM - 10:50 AM M W

SLAVIC LANGUAGES AND LITERATURES

Dreamers and Bandits in Russian Cinema
SLA 326
Professor(s): Leving, Yuri

Description/Objectives: The course will provide an overview of the most significant trends and periods in the development of Russian cinema from the 1960s until the latest blockbusters (2000s). The course will concentrate on the development of main genres and styles, major directors and productions, issues of art, race, gender, war and violence in Soviet, post-Soviet and new Russian cinema. All films will be screened with English subtitles.

Schedule: L01 01:30 PM - 04:20 PM W

Leo Tolstoy, War and Peace: Writing as
SLA 415
Professor(s): Vinitsky, Ilya

Description/Objectives: We start with Tolstoy's artistic stimuli and narrative strategies, explore the author's provocative visions of war, gender, sex, art, social institutions, death, and religion. The emphasis is placed here on the role of a written word in Tolstoy's search for truth and power. The main part is a close reading of his masterwork The War and Peace (1863-68) - a quintessence of both his artistic method and philosophical insights. Each student will be assigned to keep a "hero's diary" and speak on behalf of one or two major heroes of the epic (including the Spirit of History). The roles will be distributed in accordance with the will of fate.

Schedule: L01 11:00 AM - 12:20 PM M W
SCHOOL OF PUBLIC & INTERNATIONAL AFFAIRS

Grand Strategy
SPI 315
Professor(s): Friedberg, Aaron Louis Ikenberry, G. John

Description/Objectives: Grand strategy is the broad and encompassing policies and undertakings that political leaders pursue—financial, economic, military, diplomatic— to achieve their objectives in peacetime and in war. This course will examine the theory and practice of grand strategy both to illuminate how relations among city-states, empires, kingdoms, and nation states have evolved over the centuries and also to identify some common challenges that have confronted all who seek to make and execute grand strategy from Pericles to Barack Obama.

Schedule: L01 09:00 AM - 09:50 AM M W

International Trade
SPI 301
Professor(s): Grossman, Gene

Description/Objectives: This course examines the causes and consequences of international trade. We investigate why nations trade, what goods they export and import, and who gains and losses from trade. We then focus on economic and political motives for countries to regulate international trade and examine the economic effects of trade policies. Topics will include the connection between globalization and wage inequality, the effects of the "China Shock" on the U.S. economy and politics, the implications of global value chains, the motivation for trade agreements, and the consequences of recent events such as the US-China Trade War, BREXIT, and COVID-19.

Schedule: L01 11:00 AM - 11:50 AM T TH

The Environment: Science and Policy
SPI 350
Professor(s): Oppenheimer, Michael Wilcove, David S.

Description/Objectives: This course examines the ways domestic US and international environmental regulatory frameworks adopt, interpret, and otherwise accommodate scientific information. The course focuses on several case studies, that provide insights into the science-policy interactions which emerge from managing natural resources and environmental risk. Topics include air pollution; climate change; ozone depletion; managing the world's forests, fisheries, and ecosystem services, and global trade in wildlife. Students will explore the science underlying these issues as well as current policies and the range of future policy responses.

Schedule: L01 11:00 AM - 11:50 AM T TH
PROGRAM IN URBAN STUDIES

Introduction to Urban Studies
URB 201
Professor(s): Boyer, M. Christine

Description/Objectives: This course will examine different crises confronting cities in the 21st century. Topics will range from informal settlements, to immigration, terrorism, shrinking population, sprawl, rising seas, affordable housing, gentrification, smart cities. The range of cities will include Los Angeles, New Orleans, Paris, Logos, Caracas, Havana, New York, Hong Kong, Dubai among others.

Schedule: L01 01:30 PM - 02:50 PM W