

CLASS PASS, FALL 2009
ALL COURSES, LISTED ALPHABETICALLY

KEY:

- * = This class is a Letters and Sciences Discovery Course.
- ▣ = This professor was a national Professor of the Year!
- » = This professor received the student-nominated Golden Apple Award.
- § = This professor received a Distinguished Teaching Award.
- ~ = This professor received the Donald Sterling Noyce Prize for Excellence in Undergraduate Teaching.

American Studies 10A

Introduction to American Studies

MW 2-4 pm (105 North Gate)

Professor Brilliant

This course studies American culture and culture change through a variety of angles such as the arts, religion, music, and anthropology. Special attention is paid to the multicultural basis of American society.

Anthropology 2AC

Introduction to Archaeology

MWF 11-12 pm (2050 Valley LSB)

Professor Wilkie

This class covers an introduction to the methods, goals, and theoretical concepts of archeology with a focus on the impact archeology has had on the construction of the histories of diverse communities.

Anthropology 3AC

Introduction to Social and Cultural Anthropology

TuTh 11-12:30 pm (155 Dwinelle)

Professor Hirschkind

The course focuses on the structure and dynamics of human cultures and social institutions from a comparative perspective with special attention to American cultures and their roots.

Asian Studies 10

Introduction to Asia

TuTh 11:30-12:30 pm (4 Leconte)

Professor Yamanaka

This course is designed to interest students in Asian cultures early in their undergraduate studies. The class covers topics such as trade, social and political formations, religions, food, and expressive culture that have been important in historical and contemporary times in East, South, and Southeast Asia.

Astronomy C10

Introduction to General Astronomy

MWF 3-4 pm (Wheeler Auditorium)

Professor Filippenko § ~ ☐

This course provides an introductory description of modern astronomy, with emphasis on the structure and evolution of stars, galaxies, planets, the Universe, quasars, pulsars, black holes, and extraterrestrial communication.

Biology 1A

General Biology Lecture

MWF 8-9 am (1 Pimentel)

Professor Forte

This course provides an introduction to cell structure and function, molecular and organismal genetics, animal development form, and function.

Biology 1B

General Biology

MWF 8-9 am (2050 Valley LSB)

Professor Power

This course is a general introduction to plant development, form, and function as well as population genetics, ecology, and evolution.

Business Administration (Undergraduate) 10

Principles of Business

MWF 9-10 am (Wheeler Auditorium)

Professor Robinson

This class is an introduction to the study of the modern business enterprise, covering topics such as: the role of governance of business, financial issues, management, pricing, and marketing and distribution.

Chemistry 1A

General Chemistry

MWF 1-2 pm (1 Pimentel)

Professor Arnold

This class covers the stoichiometry of chemical reactions, quantum mechanical description of atoms, the elements and periodic table, chemical bonding, real and ideal gases, thermochemistry, an introduction to thermodynamics and equilibrium, acid-base and solubility equilibria, and an introduction to oxidation-reduction reactions.

Classics 10A

Introduction to Greek Civilization

MWF 10-11 am (145 Dwinelle)

Professor Griffith

This course studies the major developments, achievements, and contradictions in Greek culture from the Bronze Age to the 4th century BCE.

Cognitive Science C1

Introduction to Cognitive Science

TuTh 2-3:30 pm (390 Hearst Mining)

Professor Griffiths

This course serves as an introduction to the interdisciplinary field of cognitive science, surveying research on everything from artificial intelligence to psychology, linguistics, philosophy, and neuroscience. Topics covered include remembering, vision, language, and consciousness.

Development Studies C10

Introduction to Development

TuTh 12:30-2 pm (2040 Valley LSB)

Professor Trist

This course is designed as an introduction to comparative development, covering topics such as life in the Third World and relevant theory in political economy of development and underdevelopment. Three central concepts will include: land, labor, and work.

Earth and Planetary Science 8

Geologic Record of Climate Change

MWF 2-3 pm (100 Lewis)

Professor Berry

This course will review the geologic record of climate change emphasizing how such knowledge can constrain present day thinking about (and predictive models of) future climate change.

Earth and Planetary Science C20

Earthquakes in Your Backyard

TuTh 8-9:30 am (105 Stanley)

Professor Allen ~ *

This course is an introduction to earthquakes including their causes and effects. The class will also discuss basic principles and methods of seismology and geological tectonics and effects of earthquakes with emphasis on the situation in California

Earth and Planetary Science C82

Introduction to Oceans

MW 1-2 pm (155 Dwinelle)

Professor Bishop

This course is an introduction to the geology, physics, chemistry, and biology of the world oceans. The application of oceanographic sciences to human problems will be explored through special topics such as energy from the sea, marine pollution, food from the sea, and climate change.

Economics 1

Introduction to Economics

MW 1-2 pm (Wheeler Auditorium)

Professor Train

This course is a general survey of economics designed to give an overview of the field. Course goals include teaching students to use economic analysis to solve everyday problems, evaluate policy proposals, and to understand current economic events and new economic ideas.

Engineering 7

Introduction to Computer Programming for Scientists

MW 12-1 pm (10 Evans)

Professor Horowitz

This course investigates elements of procedural and object-oriented computer programming. Representative examples are drawn from the fields of mathematics, science, and engineering.

Engineering 28

Basic Engineering Design Graphics

MW 2-3 pm (2040 VLSB)

Professor McMains

This course is an introduction to the engineering design process and graphical communications tools used by engineers, covering both conceptual design of products and documentation of design through engineering drawing.

Engineering 45

Properties of Materials

MWF 12-1 pm (100 Lewis)

Professor Devine

This course focuses on the application of basic principles of physics and chemistry to the engineering properties of materials. Special attention is paid to the relation between microstructure and the mechanical properties of materials such as metal, concrete, and ceramics.

English 45A

Literature in English

MW 12-1 pm (60 Evans)

Professor Landreth

This class is an introduction to literature and English up through Milton. The course focuses mainly on the production of the poetic narrative through the major works of the time period: Chaucer's Canterbury Tales, Spenser's Faerie Queene, and Milton's Paradise Lost. The class will focus particularly on the relationships of different genres to different kinds of knowledge, to see how different ways of expressing things make possible new things to express, as English culture and English poetry transform each other from the fourteenth to the seventeenth centuries.

English 45C

Literature in English

MW 1-2 pm (277 Cory)

Professor Serpell

This class is an introduction to English literature from the mid-19th through the 20th century. Special attention will be paid to questions of aesthetics, epistemology, and ethics—what is beautiful? how do we know? what ought we do?—as they develop in the West during the course of the twentieth century.

English C107

The English Bible as Literature

MWF 2-3 (4 Leconte)

Professor Goldsmith §

This course is an introduction the English bible treated as a literary work.

Ethnic Studies 10AC

A History of Race and Ethnicity in Western North America, 1598-Present

TuTh 9:30-11 am (4 Leconte)

Professor Montejano

This class is an exploration of the role of "race" and ethnicity in the history of what became the Western United States from the Spanish invasion of the Southwest to contemporary controversies surrounding "race" in California. The course works through a series of chronologically organized events in which issues of racial differences played key roles in creating what became a western identity.

Ethnic Studies 20AC

Introduction to Ethnic Studies

MWF 1-2 pm (145 Dwinelle)

Professor Maldonado Torres

In this course, the University, its relationship to corporate structures, legislative bodies, community people, and specifically, Third World people will be analyzed and the University's values will be critically examined. Topics also include: the history of ethnic studies programs in this country, their development, and, their struggles will be discussed.

Ethnic Studies 41AC

A Comparative Survey of Protest Movements Since the 60's

TuTh 12:30-2 pm (159 Mulford)

Professor Munoz

An introductory, comparative, and interdisciplinary study of Native American, Mexican American, African American, and Asian American social and political struggles from 1960 to the present.

History 4A

The Ancient Mediterranean World

TuTh 12:30-2 pm (101 Morgan)

Professor Norena

This course offers an introductory survey of the history of the ancient Mediterranean world, from the rise of city states in Mesopotamia c. 3000 BC to the transformation of the Roman Empire in the 5th and 6th centuries.

History 5

European Civilization from the Renaissance to the Present

TuTh 2-3:30 pm (100 Lewis)

Professor Anderson

This course is an introduction to European history from around 1500 to the present. The central question that it addresses are how and why Europe—a small, relatively poor, and politically fragmented place—became the motor of globalization and world civilization.

History 7A

The United States from Settlement to Civil War

TuTh 9:30-11 am (155 Dwinelle)

Professor Peterson

This course is an introduction to the history of the United States from the beginning of the European colonization of North America to the end of the Civil War. There are two main themes: one is to understand the origin of the "groups" we call European-Americans, Native-Americans, and African-Americans; the second, is to understand how

democratic political institutions emerged in the United States in this period in the context of an economy that depended on slave labor and violent land acquisition.

International and Area Studies 115

Global Poverty: Hopes and Challenges in the New Millennium

TuTh 2-3:30 (Wheeler Auditorium)

Professor Roy »

This course is a rigorous investigation of 20th-century development and thus 21st-century poverty alleviation. The course will look at popular ideas of poverty-alleviation, the institutional framework of poverty ideas and practices, and the social and political mobilizations that seek to transform the structures of poverty.

Letters and Science 40C

Historical Studies: "Hollywood: The Place, the Industry, the Fantasy"

MW 4-5:30 pm (3 Leconte)

Professor Moran §

This course is about the history of the Hollywood "Dream Factory," focusing on both parts of that phrase. The class examines the historical and geographical development of the motion picture industry from the rise of the studio system to the "new" entertainment economy of the 1980's and looks at the way films have constructed powerful and productive fantasies about the boundaries between public and private, work and play, commerce and art, fantasy and reality.

Linguistics 5

Language and Linguistics

MWF 2-3 pm (160 Kroeber)

Professor Hyman

This course is a general survey of the field of linguistics in which students are introduced to a wide range of data from diverse languages to basic principles of linguistic analysis.

Linguistics 55AC

The American Languages

MWF 10-11 am (101 Morgan)

Professor Weigel

This class introduces students to a linguistic view of the history, society, and culture of the United States. Topics of investigation include: the variety of languages spoken in our country and the issues surrounding them. Languages include English (standard and nonstandard; Black English), pidgins and creoles, Native American languages, Spanish, French, and immigrant languages from Asia and Europe.

Linguistics 100

Introduction to Linguistic Science

MWF 11-12 p.m. (159 Mulford)

Professor Garrett §

This course is an intensive introduction to linguistic analysis, covering such core areas as phonetics and phonology, morphology, as well as syntax and semantics.

Mathematics 1A

TuTh 12:30-2 pm (2050 VLSB)

Professor Harrison

This class is part of a sequence intended for majors in engineering and the physical sciences. The course provides an introduction to differential and integral calculus of functions of one variable, with applications and an introduction to transcendental functions.

Mathematics 16A

Analytic Geometry and Calculus

TuTh 12:30-2 (100 Lewis)

Professor Scanlon

This class is part of a sequence intended for majors in the life and social sciences. The course is designed to provide an introduction to calculus of one variable; derivatives, definite integrals and applications, maxima and minima, and applications of the exponential and logarithmic functions.

Media Studies 10

An Introduction to Mass Media in America

TuTh 11-12:30 pm (10 Evans)

Professor Levina

The aim of this course is promote a critical understanding of American mass media from social, historical, philosophical, cultural, and other perspectives. The course also introduces students to key ideas and debates in the field of media studies.

Molecular and Cell Biology 32

Introduction to Human Physiology

TuTh 9:30-11 am (2050 VLSB)

Professor Wurmser

This course is a comprehensive introduction to human cell biology. The course will concentrate on the basic mechanisms underlying human life processes, included cells and cell membranes, nerve and muscle function; cardiovascular, respiratory, renal, and gastrointestinal physiology; metabolism, endocrinology, and reproduction.

Molecular and Cell Biology 55

Plagues and Pandemics

MWF 9-10 am (101 Barker)

Professor Vance

This class is a discussion of how infectious agents cause diseases and impact society at large. Topics examined include historical and current examples of plagues and pandemics and consider the question of what we should do to ameliorate the impact of infectious disease in the future.

Nutritional Sciences and Toxicology 10

Introduction to Human Nutrition

MW 2-3 pm (Wheeler Auditorium)

Professor Amy

This course provides an overview of digestion and metabolism of nutrients. The emphasis of the course is on issues of current interest and on worldwide problems of food and nutrition. Students are required to record their own diet, calculate its composition, and evaluate its nutrient content in light of their particular needs.

Peace and Conflict Studies 10

Introduction to Peace and Conflict Studies

MW 12-2 pm (1 Leconte)

Professor Zook »

This course introduces students to a broad range of issues, concepts, and approaches integral to the study of peace and conflict. Subject areas include the war system and war prevention, conflict resolution and nonviolence, human rights and social justice, development and environmental sustainability.

Peace and Conflict Studies 94

Theory and Practice of Meditation

W 1-2 P (105 Stanley)

Professor Azevedo

This course is a practicum using a modern method for systematically reducing random activity in the mind, with comparative studies of relevant texts from monastic and householder traditions, East and West.

Philosophy 3

The Nature of Mind

MWF 9-10 am (145 Dwinelle)

Professor Lee

Introduction to the philosophy of mind. Topics to be considered in this course may include the relation between mind and body; the structure of action; the nature of desires and beliefs; the role of the unconscious.

Philosophy 7

Existentialism in Literature and Film

TuTh 3:30-5 pm (145 Dwinelle)

Professor Dreyfus §

This course investigates Christian, agnostic, and atheistic existentialism as expressed in the work of Dostoyevsky, Melville, Kafka, Antonioni, and Goddard to name a few.

Philosophy 12A

Introduction to Logic

MWF 9-10 am (105 North Gate)

Professor Mancosu

This class is an introduction to the syntax, semantics, and proof theory of sentential and predicate logic.

Philosophy 25A

Ancient Philosophy

MWF 10-11 am (10 Evans)

Professor Macfarlane

This course is a survey of the history of ancient philosophy with special emphasis on the Pre-Socratics, Plato, and Aristotle.

Physics 7A

Physics for Scientists and Engineers

TuTh 2-3:30 pm (1 Leconte)

Professor Ramesh

This course is the first class in a sequence meant to be an introductory survey to physics. Topics include: mechanics and wave motion.

Physics 7B

Physics for Scientists and Engineers

MWF 11-12 pm (1 Leconte)

Professor McKee

This course is the second class in a sequence meant to be an introductory survey to physics. Topics include: heat, electricity, and magnetism.

Physics C10

Physics for Future Presidents

TuTh 9:30-11 am (1 Pimentel)

Professor Muller § ~

This course is for you. It gives you the physics that you need to know to be a president, Supreme Court justice, diplomat, businessman, lawyer, football coach, or other world leader. It gives you the information that you need to make an informed decision when deciding or voting on issues that have technical aspects. The beauty of physics may lie in the math, but future presidents don't have time for that. So we skip the math, and

get to the key results of physics that will help you run the world. These include energy conservation and energy sources, explosions, radioactivity, fission, fusion and nuclear weapons, earthquakes and tsunamis, radar and radio and microwaves, fiber optics and integrated circuits, spy satellites and global positioning systems, and medical imaging. We wind up with a few things you don't really need to know except for White House dinner conversation: relativity, dark energy, and the Big Bang.

Political Science 1

Introduction to American Politics

TuTh 12:30-2 pm (Wheeler Auditorium)

Professor Citrin

This course is an introductory analysis of the structure and operations of the American political system, primarily at the national level.

Political Science 2

Introduction to Comparative Politics

TuTh 2-3:30 pm (F295 Haas)

Professor Janos

This course deals with the basic problems and processes that all political systems face and examines their particular expression in Western, Communist, and Third World settings.

Political Science 5

Introduction to International Relations

TuTh 11-12:30 pm (2050 VLSB)

Professor Gurowitz

This course is designed to introduce students to the major theoretical approaches to international politics, to explore important historical and contemporary questions and debates in international affairs, and to teach students to think critically about international relations.

Psychology 1

MW 10-11 am (Wheeler Auditorium)

Professor Kihlstrom

This course is an introduction to the principal areas, problems, and concepts of psychology.

Psychology 2

Principles of Psychology

TuTh 3:30-5 pm (1 Leconte)

Professor Mendoza-Denton

This class is an overview of psychology for students who will not major in the field.

Sociology 1

MW 10-11 am (105 Stanley)

Professor Smith

Introduces students who are considering majoring in sociology to the basic topics, concepts, and principles of the discipline.

Sociology 3AC

Principles of Sociology

MWF 11-12 (105 Stanley)

Professor Powers

This course compares the experience of three out of five ethnic groups (e.g. African Americans, Asian Americans, Chicano/Latino, European Americans, and Native Americans) and examines historically how each people entered American society and built communities and transformed their cultures in the process.

Sociology 5

Evaluation of Evidence

TuTh 9:30-11 am (A1 Hearst Annex)

Professor Haveman

This course is a review of methodological problems in assessing data relating to social life. Topics to be covered include: posing a sociological problem, gaining access to data, measuring, establishing correlation and causal connection among data, and relating data to theoretical context.

Statistics 2

Introduction to Statistics

TuTh 2-3:30 pm (155 Dwinelle)

Professor Isber

This course is an introduction to methods of statistics for measuring Population and variables as well as spread and association, normal approximation, regression, etc.

Statistics 21

Introductory Probability and Statistics for Business

MWF 11-12 (155 Dwinelle)

Professor Purves

This course is an introduction to descriptive statistics, probability models and related concepts, sample surveys, estimates, confidence intervals, tests of significance, controlled experiments vs. observational studies, correlation and regression.