

PSCI 3 Ocean Studies

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:B1, IGETC:5A, GAV-GE:B1

Online Ocean Studies is an introductory oceanography course provided by the American Meteorological Society to undergraduates. The course is prepared by an experienced team of oceanographers and science educators. AMS Ocean Studies is produced in cooperation with the National Oceanographic and Atmospheric Administration. AMS Ocean Studies examines the world ocean from an Earth system perspective. The course emphasizes (1) the flow and transformations of water and energy into and out of the ocean, (2) the physical and chemical properties of seawater, (3) ocean circulation, (4) marine life and its adaptations, (5) interactions between the ocean and the other components of the Earth system (i.e., hydrosphere, atmosphere, geosphere, and biosphere), and (6) the human/societal impacts on and response to those Earth system interactions. AMS Ocean Studies is modeled after the highly successful AMS Weather Studies course. **ADVISORY:** MATH 205.

PHYSICS**PHYS 1 Introduction to Physics**

Units: 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory
Transferable: CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

This course is an introduction to the fundamental physical principles that control the world around us. Students will explore the fundamental principles of physics, their historical development, their application to everyday phenomena, and their impact upon political, social, and environmental issues. Laboratory exercises will explore the everyday world. **ADVISORY:** Mathematics 430.

PHYS 2A General Physics I

Units: 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory
Transferable: CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

An introduction to the principles of physics using algebra and trigonometry. Topics include kinematics in one and two dimensions, vectors, equilibrium and non-equilibrium applications of Newton's Laws, work and energy, momentum, rotational kinematics and dynamics, simple harmonic motion, elasticity, thermal physics, thermodynamics, and waves. (C-ID: PHYS 105), (C-ID: PHYS 100S: Phys 2A + Phys 2B) **PREREQUISITE:** MATH 8A **ADVISORY:** Eligible for English 250 and English 260.

PHYS 2B General Physics II

Units: 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory
Transferable: CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

An introduction to the principles of physics using algebra and trigonometry. Topics include electricity and magnetism, light and optics, modern physics, and an introduction to relativity. (C-ID: PHYS 110) (C-ID: PHYS 100S: Phys 2A + Phys 2B) **PREREQUISITE:** Physics 2A with a grade of 'C' or better. **ADVISORY:** Eligible for English 250 and English 260

PHYS 4A Physics for Scientists and Engineers - Mechanics

Units: 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory
Transferable: CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

An introduction to the principles of physics using calculus. Topics include kinematics in one, two and three dimensions, vectors, equilibrium and non-equilibrium applications of Newton's Laws, work and energy, momentum, systems of particles, rotational kinematics and dynamics, simple harmonic motion, elasticity, and waves. (C-ID: PHYS 205) (C-ID: PHYS 200S: Phys 4A + Phys 4B + Phys 4C) **PREREQUISITE:** Completion of Mathematics 1A with a grade of 'C' or better, AND completion of PHYS 2A with a grade of 'C' or better OR High School Physics with a grade of 'B' or better.

PHYS 4B Physics for Scientists and Engineers - Electricity and Magnetism

Units: 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory
Transferable: CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

An introduction to the principles of physics using calculus. Topics include charge, electric fields, Gauss' Law, electric potential, capacitance, current and resistance, circuit analysis, magnetic fields, Ampere's Law, Faraday's Law, and electromagnetic waves. (C-ID: PHYS 210) (C-ID: PHYS 200S: Phys 4A + Phys 4B + Phys 4C) **PREREQUISITE:** Completion of MATH 1B with a grade of 'C' or better, AND completion of PHYS 4A with a grade of 'C' or better.

PHYS 4C Physics for Scientists and Engineers - Heat, Optics, Modern Physics

Units: 4.0 **Hours:** 3.0 Lecture and 3.0 Laboratory
Transferable: CSU-GE:B1, CSU-GE:B3, IGETC:5A, IGETC:5C, GAV-GE:B1, GAV-GE:B3

An introduction to the principles of physics using calculus. Topics include light, optics, interference, diffraction, thermal energy, the Laws of Thermodynamics, the kinetic theory of gases, and an introduction to relativity and modern physics. (C-ID: PHYS 215) (C-ID: PHYS 200S: Phys 4A + Phys 4B + Phys 4C) **PREREQUISITE:** Completion of MATH 1B with a grade of 'C' or better, AND completion of PHYS 4A with a grade of 'C' or better.

POLITICAL SCIENCE**POLS 1 Introduction to American Government**

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGETC:4H, IGETC:7A, GAV-GE:D1, GAV-GE:D2, GAV-GE:F, US:2, US:3

Explores the development of American political institutions and their utilization in dealing with issues arising at the international, national and state levels. Emphasis is placed on those problems which have defined our federal system of government. California government and appropriate state institutions will be included as a vital part of our federal system of government. (C-ID: POLS 110) **ADVISORY:** Eligible for English 250 and English 260.

POLS 3 Introduction to Comparative Politics

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGETC:4H, GAV-GE:D2, GAV-GE:F

Comparative survey of political institutions and processes around the globe. Selected nations may include, but are not restricted to: the United Kingdom, France, Germany, Japan, Russia, India, Nigeria, and Mexico. (C-ID: POLS 130) **ADVISORY:** Eligible for English 250 and English 260.

POLS 4 Introduction to International Relations

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGETC:4H, GAV-GE:D2, GAV-GE:F

This course provides an introduction to key contemporary international problems and the means to analyze them. Major parts of the course cover such topics as war and peace, foreign policymaking, the international economy, and future trends in world politics. (C-ID: POLS 140)

POLS 5 Introduction to Modern International Terrorism

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGETC:4H, GAV-GE:D2

This course centers on conceptually defining terrorism (all types-foreign and domestic, left and right-wing, religious, environmental, and political, state and non-state), tracing the history and beginnings of modern international and domestic terrorism, critically examining the various U.S.- global responses to the 9-11-01 attacks, as well as generally evaluating and assessing how countries and people around the world try to cope with, prevent and/or respond to attacks by terrorist organizations, groups, or acts of terrorism perpetrated by nation-states or groups working with nation-states. This course has the option of a letter grade or pass/no pass. This course is also listed as AJ 5.

POLS 6 Introduction to Conflict Resolution

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, GAV-GE:D2

Introduction to Conflict Resolution introduces students to non-violent communication skills, conflict resolution, and mediation models. Integrating non-violent theory and practice, students will apply core concepts about the causes of conflict; choose, practice and evaluate communication skills in a variety of settings on campus and in the community; and formulate appropriate conflict resolution strategies based on analysis of varying conflict situations with sensitivity to ethnicity, class, sexuality, and gender influences. They will also develop and practice basic co-mediation skills in formal and informal settings. This course has the option of a letter grade or pass/no pass. This course is also listed as PSYC 6 and CMUN 6 ADVISORY: English 250 and English 260.

POLS 7 Introduction to California Government and Politics

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: IGEC:4H, GAV-GE:D2, GAV-GE:F

The purpose of this course is to provide students with an in-depth understanding of how the state of California is governed. Emphasis will be placed on local elections, political parties, legislative, executive, and judicial power, special interest groups, lobbying, urban politics, how such a diverse and multi-linguistic state be effectively governed, and policy-making, citizen activism and the importance of community service. Major events in the historical development of California and on current issues of significance will be examined in the context of the United States and California state constitutions. ADVISORY: English 250 and English 260.

POLS 10 Introduction to Political Science

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGEC:4H, GAV-GE:D2, GAV-GE:F

Introduction to Political Science introduces students to the discipline of political science. It is designed to familiarize students with basic political concepts, political ideologies, theories, political systems, and sub-fields within the field of political science. (C-ID: POLS 150)

POLS 12 Introduction to Political Thought

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGEC:3B, GAV-GE:C2, GAV-GE:D2

This course provides students with an introduction to and grounding in classical and modern political thought. Students will be introduced to theorists such as Plato, Aristotle, Machiavelli, and Marx. Students will also examine such timeless questions as: "What is justice?" "What is the good life?" and "What is power?" among others. This course is also listed as PHIL 12. Previously POLS 2. (C-ID: POLS 120)

POLS 27 Contemporary Leadership

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:E, GAV-GE:E2

This course provides a cross-disciplinary approach to the theory and practice of leadership. It covers the five practices and ten commitments of exemplary leadership, effective communication styles, and topics related to gender, culture, ethics, power, parliamentary procedure, and running effective meetings. The skills students will learn in this course are directly applicable to work, personal, and college environments. This course is also listed as GUID 27 and PSYC 27. ADVISORY: Eligible for English 250 and English 260.

POLS 32 Introduction to Research Methods

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGEC:4H, GAV-GE:D2

An overview of the methodologies used in experimental, quasi-experimental and non-experimental research in psychology. Students will learn how to design and conduct research, including formulating hypotheses, reviewing the literature, evaluating ethical issues, selecting methodologies, organizing data, applying statistics, and writing reports. This course is also listed as PSYC 32 and ANTH 32. (C-ID: POLS 160) PREREQUISITE: PSYC 10 with a grade or "C" or better and MATH 5 with a grade of "C" or better.

PSYCHOLOGY**PSYC 2 Early Child Development**

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGEC:4I, GAV-GE:D2, GAV-GE:E2

This course examines typical and atypical development within the psychosocial, cognitive, and physical domains from conception through the preschool years. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. This course is also listed as CD 2. This course has the option of a letter grade or pass/no pass. ADVISORY: Eligible for English 1A; transfer student consult with advisor.

PSYC 3 Child Growth and Development During the School Years

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, IGEC:4I, GAV-GE:D2, GAV-GE:E2

This course examines typical and atypical development within the psychosocial, cognitive and physical domains from middle childhood through adolescence. Upon completion of this course, students will be able to evaluate theories and research of child development and effectively apply and communicate their understanding through observation and evaluation. This course has the option of a letter grade or pass/no pass. This course is also listed as CD 3. ADVISORY: Eligible for English 1A; transfer students consult with advisor.

PSYC 5 Self-Assessment and Career Development

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:E, GAV-GE:E2

A course designed to assist the student in learning more about personal values, personality, interests, exploration of career choice, and occupational opportunities through the use of various personal assessment instruments. The delivery options for this course include online and self-paced formats. This course is also listed as GUID 1. ADVISORY: Eligible for English 250 and English 260. \$12 fee will be charged for career assessment materials.

PSYC 6 Introduction to Conflict Resolution

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, GAV-GE:D2

Introduction to Conflict Resolution introduces students to non-violent communication skills, conflict resolution, and mediation models. Integrating non-violent theory and practice, students will apply core concepts about the causes of conflict; choose, practice and evaluate communication skills in a variety of settings on campus and in the community; and formulate appropriate conflict resolution strategies based on analysis of varying conflict situations with sensitivity to ethnicity, class, sexuality, and gender influences. They will also develop and practice basic co-mediation skills in formal and informal settings. This course has the option of a letter grade or pass/no pass. This course is also listed as POLS 6 and CMUN 6 ADVISORY: English 250 and English 260.

PSYC 7 Cultural Context of Child and Family in a Diverse Society

Units: 3.0 **Hours:** 3.0 Lecture
Transferable: CSU-GE:D, GAV-GE:D2, GAV-GE:F

Examines cultural influences on child-rearing practices, family values, and human development. Perspectives from social sciences are used to critique and review theoretical and practical implications of oppression and privilege as they apply to families, schools, and communities, including historical and socio-cultural factors. The processes of socialization and identity development, and the importance of respectful, reciprocal relationships that support and empower families. Self-examination and reflection on issues related to social identity, stereotypes and bias, social and educational access, media and schooling. Also listed as CD 7. ADVISORY: Eligible for English 250 and English 260.