PHYSICS

PHYS 1  Introduction to Physics
Units: 4.0  Hours: 3.0 Lecture and 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, 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 205.

PHYS 2A  General Physics
Units: 4.0  Hours: 3.0 Lecture and 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS2, PHYS SEQ A
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, systems of particles, rotational kinematics and dynamics, simple harmonic motion, elasticity, and waves. PREREQUISITE: MATH 8A or MATH 9. ADVISORY: Eligible for English 250 and English 260.

PHYS 2B  General Physics
Units: 4.0  Hours: 3.0 Lecture and 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS4, PHYS SEQ A
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. PREREQUISITE: Physics 2A ADVISORY: Eligible for English 250 and English 260.

PHYS 4A  Physics for Scientists and Engineers - Mechanics/Wave
Units: 4.0  Hours: 4.0 Lecture and 2.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS SEQ
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. PREREQUISITE: Physics 2A and Mathematics 1A ADVISORY: Eligible for English 250 and English 260.

PHYS 4B  Physics for Sci/Engr--Electromagnetism
Units: 4.0  Hours: 4.0 Lecture and 2.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS SEQ
Fundamental principles of electricity and electromagnetism. Electric and magnetic fields, AC/DC circuits, Maxwell's equations, and electromagnetic waves. Students gain experience in the application of computers in science. PREREQUISITE: Physics 4A ADVISORY: Mathematics 1B

PHYS 4C  Physics for Sci/Engr--Thermodynamics/Optics/Modern Physics
Units: 4.0  Hours: 3.0 Lecture and 3.0 Laboratory
Transferable: CSU, UC; CSU-GE:B1, B3, IGETC:5A; GAV-GE:B1, B3; CAN:PHYS SEQ
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. PREREQUISITE: Physics 4A.

POLITICAL SCIENCE

POLS 1  Introduction to American Government
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D8, IGETC:4H, 7A; GAV-GE:D1, D2; CAN:GOVT2
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. ADVISORY: Eligible for English 250 and English 260.

POLS 3  Introduction to Comparative Politics
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D8, IGETC:4H; GAV-GE:D2, 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. ADVISORY: Eligible for English 250 and English 260.

POLS 4  Introduction to International Relations
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D8, IGETC:4H; GAV-GE:D2, 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.

General Education Requirements, pages 48-56
PSYC 2  Early Child Development
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D9, E, IGETC:4I; GAV-GE:D2
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, UC; CSU-GE:D9, E, IGETC:4I; GAV-GE:D2
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; CSU-GE:E2; 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; CSU-GE:D7; GAV-GE:D2
Introduction to Conflict Resolution introduces students to conflict resolution and mediation. Integrating theory and practice, students will assess core concepts about the causes and resolution of conflict, and will practice communication skills for conflict resolution. Students will examine how ethnicity, gender, and class affect power in conflict situations. They will be able to formulate appropriate conflict resolution strategies, and will develop and practice various basic co-mediation skills. This course has the option of a letter grade or pass/no pass. This course is also listed as PSYC 27. ADVISORY: Eligible for English 250 and English 260.

PSYC 1A  Introduction to Psychology
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D9, IGETC:4I; GAV-GE:D2
The nature, scope, methos, presuppositions, history, and fields of psychology together with the scientific study of factors influencing human behavior, human development, perception, learning, memory, emotion, personality, frustration, and psychotherapy. ADVISORY: Eligible for English 250 and English 260. C-ID: PSY 110

PSYCHOLOGY

PSYC 1B  Introduction to Psychology
Units: 3.0  Hours: 3.0 Lecture
Transferable: CSU, UC; CSU-GE:D9, IGETC:4I; GAV-GE:D2
Continuation of Psychology 1A. This course stresses the biological basis of behavior including: neuroanatomy, the senses, perception, learning, thinking, and psychological disorders. PREREQUISITE: Completion of Psychology 1A with a grade of ‘C’ or better.

PSYC 27  Contemporary Leadership
Units: 2.0 TO 4.0  Hours: 1.5 TO 3.0 Lecture, 1.5 TO 3.0 Laboratory
Transferable: CSU; GAV-GE:E2
A cross-disciplinary approach to the theory and practice of leadership. Includes effective communication skills including issues related to gender and culture. Class includes topics on ethics, power, and how to run effective meetings including the use of parliamentary procedure. Skills directly applicable to work, personal and college environments. May be repeated for a maximum of 10 units. Also listed as POLS 27. ADVISORY: Eligible for English 250 and English 260.