

PHYS 0140 - SURVEY OF CHEMISTRY AND PHYSICS

Catalog Description

Also known as CHEM 140

Prerequisite: Completion of MATH D with grade of "C" or better, or placement by matriculation assessment process

Hours: 108 (54 lecture, 54 laboratory)

Description: A conceptual introduction to the basic principles of physics and chemistry including matter, physical and chemical properties, forces and motion, energy, electromagnetism, electromagnetic waves, atomic structure, bonding, solutions and chemical reactions. The interdependence of chemistry and physics will be emphasized. This course is intended for non-science majors. (C-ID PHYS 140) (CSU, UC)

Course Student Learning Outcomes

Effective Term

Course Type

Contact Hours

Outside of Class Hours

Total Student Learning Hours

Course Objectives

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

Methods of Evaluation

Repeatable

Methods of Instruction

Typical Out of Class Assignments

Reading Assignments

Writing, Problem Solving or Performance

Other (Term projects, research papers, portfolios, etc.)

Required Materials

Other materials and-or supplies required of students that contribute to the cost of the course.