

CHEM 114 Survey of Chemistry and Physics

CHEM 114 SURVEY OF CHEMISTRY AND PHYSICS

Equivalent to PHYS 114. A conceptual survey of physical science (physics and chemistry) intended for non-science majors at the General Education level. A general discussion of the scientific method and techniques are followed by physics, chemistry, and integrated topics. The laboratory portion covers a hands-on exploration of phenomena discussed in lecture. The physics component of the course discusses motion, force, energy, electricity and magnetism, waves and light. The chemistry component of the course focuses on chemicals and reactions common in everyday life. Concepts relating to the nature and interactions of atoms, ions, and molecules are presented. Students also learn to use and evaluate information presented on product labels, in advertisements, and online. *Letter Grade Only. Degree Credit.*

Units: 4

Hours/semester: 48-54 Lecture; 48-54 Lab; 96-108 Homework

Prerequisites: Successful completion of Elementary Algebra or equivalent, or placement by other measures as applicable.

AA/AS Degree Requirements: Area B1, B3

Transfer Credit: CSU (CSU GE Area B1, B3), UC* (IGETC Area 5A*)

C-ID: CHEM 140

