

PHY-2B — GENERAL PHYSICS II

About This Course

Transfer: UC, CSU

C-ID: (C-ID:PHYS 100S=PHY 2A+PHY 2B)

4.00 units

Prerequisite: PHY-2A.

Description: Meets the requirements for students majoring in biological science, including pre-medical and pre-dental students.

This course includes: study of thermodynamics, including temperature, methods of heat transfer, calorimetry, ideal gas law, laws of thermodynamics, entropy, and heat engines; study of electricity and magnetism, including electric field and potential, Gauss' Law, current, Ohm's Law, capacitance and inductance, Faraday's Law; study of optics, including electromagnetic waves, reflection, refraction, interference, and diffraction; study of modern physics, including the photoelectric effect, de Broglie wavelength, quantum numbers, and radioactive decay. 54 hours lecture and 54 hours laboratory. (Letter grade or Pass/No Pass option)