

Physics Department Course Offerings | Fall 2018

PHY 010 | 4 Credits | General Physics I

Statistics, dynamics, conservation laws, thermodynamics, kinetic theory of gases, and fluids. Primarily for architecture, biological science, or earth and environmental science students. *Prerequisite: MATH 21, 31, 51, 75 or 76 (these may be taken concurrently with PHY 010). Natural Science (NS) Distribution Requirement.*

PHY 011 | 4 Credits | Introductory Physics I

Kinematics, frames of reference, laws of motion in Newtonian theory and special relativity, and conservation laws, as applied to the mechanics of mass points and rigid bodies; temperature, heat and the laws of thermodynamics; kinetic theory of gases. Two lectures and two recitations per week. *Prerequisite: MATH 21, 31, 51, 75 or 76 (these may be taken concurrently with PHY 011). Natural Science (NS) Distribution Requirement.*

PHY 012 | 1 Credit | Introductory Physics Lab I

A laboratory course taken concurrently with PHY 10 or 11. Experiments in mechanics, heat, and DC electrical circuits. One three-hour laboratory period per week. *Corequisite: PHY 10 or 11 (this should be taken concurrently with PHY 012). Natural Science (NS) and Lab Distribution Requirements.*

****Students entering with AP credit for PHY 11 & 12 are eligible to take PHY 21 & 22, which are continuations of 11 & 12 that cover electricity, magnetism and optics****

Astronomy Course Offerings | Fall 2018

ASTR 007 | 3 Credits | Introduction to Astronomy

Introduction to planetary, stellar, galactic, and extragalactic astronomy. An examination of the surface characteristics, atmospheres, and motions of planets and other bodies in our solar system. Properties of the sun, stars, and galaxies, including the birth and death of stars, stellar explosions, and the formation of stellar remnants such as white dwarfs, neutron stars, pulsars, and black holes. Quasars, cosmology, and the evolution of the universe. May not be taken by students who have previously completed ASTR 105, 301 or 302. *Natural Science (NS) Distribution Requirement.*

ASTR 008 | 1 Credit | Introduction to Astronomy Lab

Laboratory to accompany ASTR 007. *Corequisite: ASTR 7 (this must be taken concurrently with ASTR 008). Natural Science (NS) and Lab Distribution Requirements.*

Freshman Seminars listed on Lehigh University's CAS First Year Students Page

Please contact physics@lehigh.edu with questions, call 610-758-3931, or stop by the Physics Office in Lewis Lab 214



Major Declaration forms are available in the Physics Office