

Physics (PHSX)

PHSX 105. Fund of Physical Science. 3 Credits.

This is an introductory course primarily for non-science majors and students lacking high school physics and chemistry. The course includes principles of chemistry and physics. A non-algebra approach is used to study mechanics, heat, atomic structure, chemical combinations, electricity, and fundamentals of earth science. This course does meet the laboratory science requirement. Co-requisite: PSHX 106.

PHSX 106. Fund of Physical Science Lab. 0 Credits.

Lab for PHSX 105.

PHSX 205. College Physics I. 3 Credits.

This is a general physics course covering measurement and experimental error, kinematics, dynamics, work and energy, momentum, rotational motion, properties of solids and fluids, thermal physics, properties of ideal gases, kinetic theory, and thermodynamics. Prerequisites: M 112 and M 121 or equivalent. M 112 may be taken concurrently with PHSX 205, but it is highly recommended that it be taken prior to enrollment in PHSX 205. Co-requisite: PHSX 206.

PHSX 206. College Physics I Laboratory. 1 Credit.

This laboratory course will include experiments related to work and mechanical energy, properties of sound and properties of thermodynamics. Corequisite: Enrollment in PHSX 205. This course taken in conjunction with the lecture portion of the course (PHSX 205) meets the laboratory science requirement.

Course Fees: \$5.35

PHSX 207. College Physics II. 3 Credits.

A general physics course covering properties of periodic motion, properties of waves, properties of light, geometric optics, optical instruments, wave optics and electric charge, electric field, electric potential, capacitance, electric current, resistance, magnetism, electromagnetic induction, alternating-current circuits, relativity and atomic structure. Prerequisites: PHSX 205, M 112, M 121. Corequisite: PHSX 208.

PHSX 208. College Physics II Laboratory. 1 Credit.

This laboratory course will include experiments related to light, electricity and atomic structure. Co-requisite: PHSX 207. This course taken in conjunction with the lecture portion of the course (PHSX 207) meets the laboratory science requirement.

Course Fees: \$5.35

PHSX 292. Independent Study. 3 Credits.

Provides an opportunity for students to engage in directed research and study on an individual basis rather than in a formal class environment.