

PHY - PHYSICS

PHY 201 Physics I* (3-3-4)

Offered Fall, Spring, and Summer Semesters

Prerequisite: MAT 109 or MAT 110

This is the first in a sequence of physics courses. Topics include mechanics, wave motion, sound, heat, electromagnetism, optics and modern physics.

PHY 202 Physics II* (3-3-4)

Offered Fall, Spring, and Summer Semesters

Prerequisite: PHY 201

This course covers physics topics, including mechanics, wave motion, sound, heat, electromagnetism, optics and modern physics.

PHY 221 University Physics I* (3-3-4)

Offered Fall, Spring, and Summer Semesters

Prerequisite: MAT 140

Co-requisite: MAT 141

This is the first of a sequence of courses. The course includes a calculus-based treatment of the following topics: vectors, laws of motion, rotation, vibratory and wave motion.

PHY 222 University Physics II* (3-3-4)

Offered Fall, Spring, and Summer Semesters

Prerequisites: PHY 221, MAT 141

This course is a continuation of calculus-based treatment of the following topics: thermodynamics, kinetic theory of gases, electricity and magnetism, including electrostatics, dielectrics, electric circuits, magnetic fields and induction phenomena.