

PHY 112: Principles of Physics

This course introduces the student to the basic principles of physics with an emphasis on electricity and magnetism. The course is designed to provide the student with not only a basic knowledge of electricity and magnetism but also an understanding of real-world applications. To prepare the student to understand electricity and magnetism, additional topics includes forces, work, energy, power, sound, and the atomic nature of matter. Topics in electricity and magnetism include electrical forces and fields, currents, electrical circuits, magnetic forces and fields, capacitance, electromagnetic induction and transformers.

Credits: 2

Transfer Code: Code A

Lab Hours: 0

Lecture Hours: 2

Prerequisites:

College Algebra – MTH 100

Program: *Physics*

Semester Offered:

Spring