

# PHYS230 : Introduction to Modern Physics

This is a one-semester course which introduces the student to modern physics. The course covers Maxwell's equations, relativistic mechanics, wave and quantum properties of photons and electrons, the Schrodinger equation, atomic structure, nuclear physics, and elementary particle physics. This subject matter will be covered in an introductory manner so as to prepare the student to revisit these topics in more depth in future undergraduate and graduate physics courses. Includes laboratory.

**Credits** 4

**Lecture Hours** 3

**Lab/Clinical/Field Study Hours** 3

**Prerequisites**

PHYS228 with a C or better and MATH156