

PHY-251 : General Physics I

Credits 4

Lab 3

Lecture 3

Clinical/WkExp 0

State Prerequisites

[MAT-271: Calculus I](#)

State Corequisites

[MAT-272: Calculus II](#)

Session Cycle

Spring & Summer

Fee \$30.00

Course Material Fee \$80.05

Description

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.