

PHY 201 : General Physics I

Introductory physics (algebra based) for science majors, pre-medical, pre-dental, pre-chiropractic and pre-physical therapy students. Topics include mechanics including statics, forces and motion energy, collisions, circular motion and rotational dynamics.

Addendum to Course Description

This is a pre-calculus introductory physics course for pre-medical, pre-dental, pre-chiropractic and pre-physical therapy students and students working toward a degree. Topic of study is mechanics, and includes statics, forces and motion, energy, collisions, circular motion and rotation. This course meets college transfer, Oregon Block Transfer and program requirements as listed above.

Credits 4

Subject

[Physics](#)

Course Outcomes

After completion of this course, students will:

- Apply knowledge of linear motion, forces, energy, and circular motion to explain natural physical processes and related technological advances.
- Use an understanding of algebraic mathematics along with physical principles to effectively solve problems encountered in everyday life, further study in science, and in the professional world.
- Design experiments and acquire data in order to explore physical principles, effectively communicate results, and critically evaluate related scientific studies.
- Assess the contributions of physics to our evolving understanding of global change and sustainability while placing the development of physics in its historical and cultural context.

Prerequisite Courses

[MTH 111Z](#)