

# PHY 202 : General Physics II

Topics include mechanical properties of matter, heat, waves, sound and light. Algebra-based physics.

## **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. Study topics include mechanical properties of matter, heat, waves, sound and light. 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 thermodynamics, sound waves, and light waves 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**

PHY 201