

# PHY 203 : General Physics III

Topics include electricity, magnetism and radioactivity. Algebra-based physics.

## Addendum to Course Description

This is an 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 electricity, magnetism and modern physics. This course meets college transfer, Oregon Block Transfer and program requirements as listed above. This is an algebra-based physics course required for students majoring in biology, pre-medicine, pre-dentistry, architecture, and many other degree programs. The course is transferable to colleges or universities. Students should be aware of the program requirements of the institution to which they wish to transfer.

**Credits** 4

**Subject**

Physics

**Course Outcomes**

After completion of this course, students will

- Apply knowledge of electricity, magnetism, and modern physics 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