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