PHY 101: Force, Motion, and Energy

Introduces mechanics, vectors, energy, simple machines, and satellite motion. Designed as a laboratory science course for non-science majors.

Course Student Learning Outcomes

Upon completion of the course students will be able to:

- Apply knowledge of mechanics and vectors to explain natural physical processes and related technological advances.
- Use an understanding of elementary 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.

Credits: 4
Prerequisites: **WR 115 RD 115 MTH 65 MTH 98** MTH 65 or MTH 98 accepted. Equivalent placement test scores also accepted.
Program: **Physics**