

**Department of Physics, Westmont College**  
**Student Learning Outcomes:**

1. Knowledge/Critical Thinking (Goal): Students will have a working knowledge of the basic areas of physics: (Mechanics, Electricity & Magnetism, Thermodynamics, Quantum Mechanics) and be able to demonstrate their ability to solve difficult problems, some that include real world applications.
2. Skills (Goal):
  - (a) Experimental and Theoretical: Students will be able to formulate a scientific question or purpose, design, setup and implement an experiment, then analyze the data and draw results and conclusions.
  - (b) Communication: Students will be able to present scientific work both verbally and in writing according to established disciplinary practice.
3. Christian Orientation(Goal): Students will be able to express an informed understanding of the interactions of the Christian faith and natural science that honors both.