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.