



PHY 102: Technical Physics II

This is a continuation of PHY 101. Topics include fluids, thermodynamics, optics, electrostatics and basic circuits. Prerequisite: C or better in PHY 101. Three lecture hours and two laboratory hours per week. Instructional Support Fee applies. Gen. Ed. Competencies Met: Scientific Reasoning and Discovery.

Course Student Learning Outcomes

1. Apply knowledge of electricity, pressure, temperature, and optics to solve numerical problems.
2. Utilize mathematical tools such as dimensional analysis and vectors.
3. Model real world situations using physics tools and concepts.
4. Analyze laboratory data, including sources of error.
5. Recognize the power and proper usage of scientific thinking and methods.

Credits: 4

Program: Physics