

PHYS 232C : Physics II (Calculus-Based)

The second course studying classical physics. Topics include fluids, elasticity, thermodynamics, electricity, and magnetism. A graphing calculator will be required.

Credits 4

Lab/Practicum/Clinical Hours 3

Lecture Hours 3

Prerequisite Courses

PHYS 231C

Learning Outcomes

- State, interpret, and apply the definitions of physical quantities related to fluids, thermodynamics, and electricity and magnetism.
- Set up and solve problems, including word problems, in fluids, thermodynamics, and electricity and magnetism analytically using algebra, trigonometry, and calculus.
- Solve problems in fluids, thermodynamics, and electricity and magnetism using numerical and graphical methods.
- Set up laboratory equipment safely and efficiently, plan and carry out experimental procedures, identify and reduce sources of error, analyze and interpret data, propagate error, and summarize findings in a formal laboratory report.