

PHY 115: Technical Physics

Technical physics is an algebra-based physics course designed to utilize modular concepts to include motion, forces, torque, work energy, heat, wave/sound, light and electricity. Results of physics education research and physics applications in the workplace are used to improve the student's understanding of physics in technical areas. Upon completion, students will be able to define motion and describe specific module concepts; utilize microcomputers to generate motion diagrams; understand the nature of contact forces and distinguish passive forces; work cooperatively to set-up laboratory exercises; and demonstrate applications of module-specific concepts.

Credits: 4

Lab Hours: 1

Lecture Hours: 3

Prerequisites:

MTH 100

Program: Physics