

PHYS 105 : Principles of Technology

Introduces students to the fundamental theories and problem solving methods of physics as they relate to electronics & computer engineering technology. The content of the course includes mechanical motion, conservation laws, work-energy theorem, and thermodynamics. Emphasizes electromagnetic theory and its applications to electronics, electric circuits, and optics. Students are also introduced to basic atomic and nuclear theories.

Credits 3

Lecture Hours 45

Teaching Equivalent 3.00

Designation

DP

Prerequisites

MATH 119 with grade C or better, or consent.