

PHYS 2425 : University Physics I

Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. Basic laboratory experiments supporting theoretical principles presented in PHYS 2425 involve the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports.

Credits 4

Lecture Hours 3

Lab Hours 3

Clinical Hours 0

CIP

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Prerequisites

MATH 2413 Calculus I. Three hours lecture and three hours lab per week.

Corequisites

PHYX 2425 University Physics I (lab).