PHYS 1401 : College Physics I

Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; emphasis will be on problem solving. Three hours lecture and three hours lab per week.

Credits 4
Lecture Hours 3
Lab Hours 3
Clinical Hours 0
CIP
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Prerequisites
MATH 1314 College Algebra, or MATH 1414 College Algebra, and MATH 1316 Plane Trigonometry OR MATH 2312 Pre-Calculus Math OR MATH 2412 Pre-Calculus Math OR equivalent academic preparation, or permission of the instructor.
Corequisites
PHYX 1401 College Physics Laboratory I (lab)