

PHYS-221 : General Physics I

During the first term: Kinematics, Newton's laws of motion, conservation laws, rotational motion, periodic motion, and fluid mechanics. During the second term: Thermodynamics, electricity, magnetism, optics and modern physics. A combination of lectures and learning by inquiry are employed. Computers are used for data acquisition, data analysis, and mathematical modeling. Three hours in class, one hour in recitation and two hours in lab per week. Prerequisite: **MATH-130** or **MATH-132** or concurrent enrollment in **MATH-131**, **MATH-132** respectively.

Credits 4

Corequisites

MATH-130 or MATH-132 or concurrent enrollment in MATH-131, MATH-132 respectively; Take PHYS-221L

Term Offered

Fall Only

Session Cycle

F

Grade Scheme

BC