COURSE DETAIL

GENERAL PHYSICS AND EXPERIMENT (1)
Country Korea, South
Host Institution Yonsei University
Program(s) Yonsei University
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Physics
UCEAP Course Number 10
UCEAP Course Suffix A
UCEAP Official Title GENERAL PHYSICS AND EXPERIMENT (1)
UCEAP Transcript Title GENERAL PHYSICS&LAB
UCEAP Quarter Units 4.50
UCEAP Semester Units

3.00

Course Description
Based on the basic concepts of Newtonian mechanics, we study various physical phenomena and learn how to express them by compact mathematical formula. Topics include Units, Physical Quantities, and Vectors, Newton's Laws of Motion, Work and Kinetic Energy, Potential Energy and Energy Conservation, Momentum, Impulse, and Collisions, Rotation of Rigid Bodies, Dynamics of Rotational Motion, Equilibrium and Elasticity, Fluid Mechanics, Gravitation, Mechanical Waves, Temperature and Heat and Thermal Properties of Matter. Textbook: Hugh D. Young and Roger A. Freedman, UNIVERSITY PHYSICS.

Language(s) of Instruction
English

Host Institution Course Number
PHY1011

Host Institution Course Title
GENERAL PHYSICS AND EXPERIMENT (1)

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Physics

Course Last Reviewed

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