COURSE DETAIL

GENERAL PHYSICS

Country
Korea, South

Host Institution
Yonsei University

Program(s)
Yonsei University Summer

UCEAP Course Level
Lower Division

UCEAP Subject Area(s)
Physics

UCEAP Course Number
10

UCEAP Course Suffix
S

UCEAP Official Title
GENERAL PHYSICS

UCEAP Transcript Title
GENERAL PHYSICS

UCEAP Quarter Units
4.50

UCEAP Semester Units

3.00

Course Description

Basic understanding of fundamental concepts and tools of general physics. Topics include Units, Physical Quantities, and Vectors, Motion Along a Straight Line, Motion in Two or Three Dimensions, Newton’s Law of Motion, Application of Newton’s Laws, 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, Periodic Motion, Mechanical Waves, and Sound and Hearing.

Language(s) of Instruction
English

Host Institution Course Number
IEE1109

Host Institution Course Title
GENERAL PHYSICS

Host Institution Course Details

Host Institution Campus
Yonsei International Summer School

Host Institution Faculty

Host Institution Degree

Host Institution Department
Science, Technology, and Environment

Course Last Reviewed
2022-2023

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