

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 Campus

Yonsei International Summer School

Host Institution Faculty

Host Institution Degree

Host Institution Department

Science, Technology, and Environment

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