

# 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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