

# COURSE DETAIL

## ENGINEERING MATERIALS

**Country**

Korea, South

**Host Institution**

Yonsei University

**Program(s)**

Yonsei University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Mechanical Engineering

**UCEAP Course Number**

105

**UCEAP Course Suffix****UCEAP Official Title**

ENGINEERING MATERIALS

**UCEAP Transcript Title**

ENGINRING MATERIALS

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## **Course Description**

This course introduces the characteristic of the materials of engineering and mechanical action of a material. The course emphasizes the need to understand of all kinds of the materials, the mechanical property of the engineering materials as well as to acquire the knowledge for selecting the required material for the particular engineering design. It is imperative to discover the characteristics of engineering materials and their mechanical actions so as understand how each material will perform in practice, not just in theory. Students attempt to determine the optimal mechanical action of materials. Text: William D. Callister and David G. Rethwisch, **FUNDAMENTALS OF MATERIALS SCIENCE AND ENGINEERING**. Assessment: exam, assignments, project and attendance.

### **Language(s) of Instruction**

English

### **Host Institution Course Number**

MEU3660

### **Host Institution Course Title**

ENGINEERING MATERIALS

### **Host Institution Course Details**

<https://underwood1.yonsei.ac.k>

### **Host Institution Campus**

### **Host Institution Faculty**

### **Host Institution Degree**

### **Host Institution Department**

Mechanical Engineering

### **Course Last Reviewed**

2025-2026

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