

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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