

COURSE DETAIL

ELASTICITY THEORY

Country

Japan

Host Institution

Tohoku University

Program(s)

Engineering and Science

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Mechanical Engineering

UCEAP Course Number

122

UCEAP Course Suffix

V

UCEAP Official Title

ELASTICITY THEORY

UCEAP Transcript Title

ELASTICITY THEORY

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

When an elastic body is subjected to a load, it deforms and causes stresses. This course explains the basis of continuum mechanics called elasticity, which treats these phenomena mathematically and where deformation is assumed to be infinitesimal.

Course Prerequisites: It is assumed that class participants have fundamental knowledge in "Mechanics of Materials" and "Mathematics."

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

THEORY OF ELASTICITY

Host Institution Course Details

<https://qsl.cds.tohoku.ac.jp/qsl/syllabus/display/tb15112-2025>

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering

Course Last Reviewed

2024-2025

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