

COURSE DETAIL

THERMODYNAMICS

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

113

UCEAP Course Suffix

BV

UCEAP Official Title

THERMODYNAMICS

UCEAP Transcript Title

THERMODYNAMICS

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course addresses the chemical thermodynamics of the aqueous solution using the first and second laws of thermodynamics while. It focuses on the use of thermodynamics related to chemical equilibrium and the calculation of the equilibrium constant based on thermodynamic data.

This course also presents the basis for the application of chemical thermodynamics to the mechanical engineering of the environment, energy, and biological systems.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

THERMODYNAMICS II

Host Institution Course Details

<https://uceap.sharepoint.com/:w:/s/DocumentLibrary/IQAQwPCF-LIhRI1XHv8-MNIWAT3r...>

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering

Course Last Reviewed

2025-2026

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