

## COURSE DETAIL

### CHEMICAL THERMODYNAMIC

**Country**

Japan

**Host Institution**

Tohoku University

**Program(s)**

Engineering and Science

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Materials Science

**UCEAP Course Number**

110

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

CHEMICAL THERMODYNAMIC

**UCEAP Transcript Title**

CHEM THERMODYNAMIC

**UCEAP Quarter Units**

3.00

**UCEAP Semester Units**

2.00

## Course Description

This course focuses on the principle of chemical thermodynamic of refining process of metals and specific knowledge of the process for each metal. The course first analyzes the principle of equilibria of chemical reaction of metal processing, and then the refining process of steels, copper, aluminum and other metals to understand their basic procedure and characteristics. The course aims to understand the thermodynamic equilibrium of metal refining process and understand the basic knowledge of various refining process of metals.

## Language(s) of Instruction

English

## Host Institution Course Number

N/A

## Host Institution Course Title

MATERIALS SCIENCE AND ENGINEERING B

## Host Institution Course Details

<https://www.insc.tohoku.ac.jp/english/wp-content/uploads/2024/04/TB45121.pdf>

## Host Institution Campus

Tohoku University

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

JYPE

## Course Last Reviewed

2023-2024

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