

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

CHEMICAL THERMODYNAMIC

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

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