

COURSE DETAIL

CHEMICAL AND BIOMOLECULAR ENGINEERING

Country

Japan

Host Institution

Tohoku University

Program(s)

Engineering and Science

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Chemical Engineering Bioengineering

UCEAP Course Number

102

UCEAP Course Suffix

B

UCEAP Official Title

CHEMICAL AND BIOMOLECULAR ENGINEERING

UCEAP Transcript Title

CHEM BIOMOLEC ENGR

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

Chemical and Biomolecular Engineering II refers to any technological applications of chemical and biological systems, such as biomolecules and environmental materials to make or modify products or green processes for specific purposes. This class focuses on biomaterials, biomedical engineering, membrane transport, protein engineering, environmentally benign materials and reactions, biomass conversion, fluid dynamics, green process and industrial processes. Basic aspects of engineering for biotechnology, biological and environmental materials will be discussed.

Knowledge of organic chemistry and biochemistry is required for this course.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

CHEMICAL AND BIOMOLECULAR ENGINEERING II

Host Institution Course Details

<https://www.insc.tohoku.ac.jp/english/wp-content/uploads/2024/04/TB37101.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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