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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