

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

A

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

The material world is surrounded by a large number of chemical products manufactured with various types of materials including organic, inorganic and their composite materials. Even in the human body, biological materials are constantly being produced with the help of specialized enzymes and biochemical reactions. This course provides chemistry-oriented topics concerned with the development of functional materials in various areas of engineering.

This course covers basic aspects of chemical production, with special emphasis on environmentally friendly methodologies for the synthesis of fine chemicals and advanced materials.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

CHEMICAL AND BIOMOLECULAR ENGINEERING

Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

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