

COURSE DETAIL

GENERAL BIOCHEMISTRY

Country

Japan

Host Institution

Tohoku University

Program(s)

Engineering and Science

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biochemistry

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

GENERAL BIOCHEMISTRY

UCEAP Transcript Title

GENL BIOCHEMISTRY

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

To study the basic knowledge of molecular biology, biochemistry and structural biology and to understand biological phenomena at the molecular level, students will learn the following contents.

- 1) Structures and chemical properties of nucleic acids
- 2) Structures and chemical properties of amino acids and proteins
- 3) Biochemical methods for analyzing DNA sequence, amino acid sequence, protein structures and functions
- 4) Mechanisms of enzyme catalysis

This course aims to provide students with deep insights into the structures and physiological functions of nucleic acids, proteins and other important biomolecules. Also, students will understand molecular mechanisms of several important enzymes.

Language(s) of Instruction

English

Host Institution Course Number

N/A

Host Institution Course Title

GENERAL BIOCHEMISTRY

Host Institution Course Details

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Host Institution Campus

Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Science

Course Last Reviewed

2022-2023

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