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
https://gkms3.bureau.tohoku.ac.jp/sa_qj/slbssbdr.do?value(risyunen)=2023&value(...

Host Institution Campus
Tohoku University

Host Institution Faculty

Host Institution Degree

Host Institution Department

Science

Course Last Reviewed
2022-2023

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