

COURSE DETAIL

BIOCHEMISTRY II

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences Biochemistry

UCEAP Course Number

101

UCEAP Course Suffix

B

UCEAP Official Title

BIOCHEMISTRY II

UCEAP Transcript Title

BIOCHEMISTRY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course provides an overview of the main aspects of biochemistry by relating molecular interactions to their effects on the organism as a whole. Topics include metabolism, glycolysis and gluconeogenesis, the citric acid cycle, oxidative phosphorylation, the light reactions of photosynthesis, the Calvin cycle and the pentose phosphate pathway, glycogen metabolism, fatty acid metabolism, protein turnover and amino acid catabolism, biosynthesis of amino acids, nucleotide biosynthesis, the biosynthesis of membrane lipids and steroids, and integration of metabolism.

Language(s) of Instruction

English

Host Institution Course Number

LSB3102

Host Institution Course Title

BIOCHEMISTRY II

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life Science and Biotechnology

Course Last Reviewed

2022-2023

[Print](#)