

COURSE DETAIL

BIOCHEMISTRY 2

Country

Korea, South

Host Institution

Seoul National University

Program(s)

Seoul National University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biochemistry

UCEAP Course Number

153

UCEAP Course Suffix**UCEAP Official Title**

BIOCHEMISTRY 2

UCEAP Transcript Title

BIOCHEMISTRY 2

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course introduces the basic energetic principles governing metabolism and concepts of bioenergetics including discussions on enzymes and regulatory mechanisms in catabolic and anabolic pathways.

As the second part of Biochemistry 1, Biochemistry 2 covers chemical reactions in biology on the basis of the molecular system. The course examines metabolism of lipids, amino acids, and carbohydrates; the anabolism of lipids, amino acids, and carbohydrates. Topics include gene expression, regulation of prokaryotes and eukaryotes, protein targeting, protein synthesis, RNA processing, and DNA rearrangement.

Language(s) of Instruction

English

Host Institution Course Number

300.313

Host Institution Course Title

BIOCHEMISTRY 2

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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