COURSE DETAIL

BIOCHEMISTRY
Country Netherlands
Host Institution Maastricht University – University College Maastricht
Program(s) Biological and Life Sciences, Maastricht,University College Maastricht
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences Biochemistry
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title BIOCHEMISTRY
UCEAP Transcript Title BIOCHEMISTRY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course presents the essentials of Biochemistry. It covers the structures, functions, and interactions of biomacromolecules, including proteins, lipids, carbohydrates, DNA, and RNA, which perform many of the activities associated with life. The course provides insight in the specificity and action of enzymes, the bio catalysts of the cell. Further, it explains metabolic pathways that result in the generation of ATP, the major energy currency of the cell. Finally recent biochemical understandings on genome editing are presented that revolutionize treatment of diseases at the level of correcting mutated genes (gene therapy). Prerequisites for this course are an introduction to biology or chemistry.

Language(s) of Instruction
English

Host Institution Course Number
SCI2035

Host Institution Course Title
BIOCHEMISTRY

Host Institution Course Details
https://curriculum.maastrichtuniversity.nl/education/contract/public-health-med...

Host Institution Campus
Maastricht University

Host Institution Faculty
University College Maastricht

Host Institution Degree

Host Institution Department
Sciences

Course Last Reviewed

2024-2025

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