COURSE DETAIL

BASIC BIOCHEMISTRY
Country United Kingdom - England
Host Institution University of London, Queen Mary
Program(s) University of London, Queen Mary
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biochemistry
UCEAP Course Number 105
UCEAP Course Suffix
UCEAP Official Title BASIC BIOCHEMISTRY
UCEAP Transcript Title BASIC BIOCHEMISTRY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course covers amino acids, the fundamentals of protein structure, isolation and purification of proteins, modification of proteins, and methods of determining protein conformation. It also covers the basics of enzyme catalysis and kinetics with specific case studies. Other topics include ion transport, and other transport proteins, and the utilization of proteins and soluble cofactors to generate and store metabolic energy. Students learn the basics of metabolism in glycolysis and the citric acid cycle, as well as ATP synthesis and membrane bound electron transfer in mitochondria. Chloroplasts in plants and algae, and molecular motors, such as muscles, that consume metabolic energy are also covered.

Language(s) of Instruction
English

Host Institution Course Number
BIO161

Host Institution Course Title
BASIC BIOCHEMISTRY

Host Institution Course Details
https://www.qmul.ac.uk/modules/

Host Institution Campus
Mile End

Host Institution Faculty
School of Biological and Behavioural Sciences

Host Institution Degree

Host Institution Department

Course Last Reviewed
2023-2024

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