COURSE DETAIL

BIOSYNTHESIS AND BIOENERGETICS
Country United Kingdom - England
Host Institution University of Manchester
Program(s) University of Manchester
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biochemistry
UCEAP Course Number 103
UCEAP Course Suffix
UCEAP Official Title BIOSYNTHESIS AND BIOENERGETICS
UCEAP Transcript Title BIOSYNTH&BIOENERGET
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

The course covers various aspects of biosynthesis and bioenergetics. The course provides students with important information relevant to understanding the living cell as a chemical reactor, focusing on the chemistry of biosynthesis and bioenergetics underpinning this. The chemistry of key metabolic functions including energy-generating processes such as glycolysis, the citric acid cycle, respiration, photosynthesis as well as aspects regarding control of metabolic flux in the cell are looked at in detail. The course includes a detailed look at information flow and molecular machinery of the cell.

Language(s) of Instruction
English

Host Institution Course Number
CHEM30712

Host Institution Course Title
BIOSYNTHESIS AND BIOENERGETICS

Host Institution Course Details
https://www.manchester.ac.uk/study/undergraduate/courses/2023/00544/bsc-chemist...

Host Institution Campus
University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemistry

Course Last Reviewed
2022-2023

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