

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 Campus

University of Manchester

Host Institution Faculty

Host Institution Degree

Host Institution Department

Chemistry

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