COURSE DETAIL

BIOCHEMISTRY AND MOLECULAR BIOLOGY
Country Australia
Host Institution University of Sydney
Program(s) University of Sydney
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biochemistry
UCEAP Course Number 114
UCEAP Course Suffix
UCEAP Official Title BIOCHEMISTRY AND MOLECULAR BIOLOGY
UCEAP Transcript Title BIOCHEM & MOLEC BIO
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course examines how cells work at the molecular level, with an emphasis on human biochemistry and molecular biology. It focuses initially on how genetic information is regulated in eukaryotes, including replication, transcription and translation, and molecular aspects of the cell cycle, mitosis and meiosis. Then it explores cellular metabolism and how cells extract and store energy from fuels like fats and carbohydrates, how the use of fuels is modulated in response to exercise, starvation and disease, and how other key metabolites are processed.

Language(s) of Instruction
English

Host Institution Course Number
BCMB2001

Host Institution Course Title
BIOCHEMISTRY AND MOLECULAR BIOLOGY

Host Institution Course Details
https://www.sydney.edu.au/units/BCMB2001/2023-S1C-ND-CC

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2022-2023

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