COURSE DETAIL

CHEMISTRY IN CELLS
Country United Kingdom - England
Host Institution King's College London
Program(s) King's College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Chemistry Biochemistry
UCEAP Course Number 102
UCEAP Course Suffix
UCEAP Official Title CHEMISTRY IN CELLS
UCEAP Transcript Title CHEMISTRY IN CELLS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course consolidates year 1 organic and physical chemistry by reference to biological examples and shows students its relevance to cellular biochemical processes. It introduces mechanisms and thermodynamics of chemical processes in the cell, including central metabolic pathways, principles of enzyme and metalloenzyme active site catalysis, coenzyme chemistry, and thermodynamics of biochemical processes. It conveys the multidisciplinarity and role of chemical ideas in understanding biochemistry, and enable students to apply basic chemical principles in unfamiliar biochemical contexts to generate hypotheses. It also introduces key concepts of cell biology and protein structure.

Language(s) of Instruction
English

Host Institution Course Number
5CCC0060

Host Institution Course Title
CHEMISTRY IN CELLS

Host Institution Course Details
https://www.kcl.ac.uk/abroad/module-options/chemistry-in-cells-1

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Chemistry

Course Last Reviewed
2021-2022

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