COURSE DETAIL

PROTEIN STRUCTURE AND FUNCTION
Country United Kingdom - England
Host Institution University of London, Royal Holloway
Program(s) University of London, Royal Holloway
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Biological Sciences
UCEAP Course Number 154
UCEAP Course Suffix
UCEAP Official Title PROTEIN STRUCTURE AND FUNCTION
UCEAP Transcript Title PROTEIN STRUC&FUNCT
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
The course covers the principles of protein structure, including secondary structure, motifs and domains, and protein folding in vivo. Methods for separation, purification, detection, structural and functional analysis of proteins are considered. The course also covers protein-protein interactions, and the principles of protein engineering and design, as well as the mechanisms of enzyme catalysis and regulation. Students gain experience using fundamental techniques in protein separation and analysis such as SDS-PAGE and Western blotting. Further coursework involves the structure and function prediction of an unknown protein sequence using bioinformatics tools.

Language(s) of Instruction
English

Host Institution Course Number
BS2520V

Host Institution Course Title
PROTEIN STRUCTURE AND FUNCTION

Host Institution Course Details
https://www.royalholloway.ac.uk/media/4756/study-abroad-course-options-2019-20-...

Host Institution Campus
Royal Holloway, University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biological Sciences

Course Last Reviewed
2019-2020

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