

COURSE DETAIL

PROTEIN STRUCTURE AND FUNCTION

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences Biochemistry

UCEAP Course Number

127

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

This course provides a strong foundation in the study of protein structure and function. Topics include structures and structural complexity of proteins and methods used to determine their primary, secondary and tertiary structures; biological functions of proteins in terms of their regulatory, structural, protective and transport roles; the catalytic action of enzymes, their mechanism of action and regulation; and various approaches used in studying the structure-function relationships of proteins. The course has a prerequisite of Biochemistry.

Language(s) of Instruction

English

Host Institution Course Number

LSM3231

Host Institution Course Title

PROTEIN STRUCTURE AND FUNCTION

Host Institution Course Details

<https://nusmods.com/courses/LSM3231/protein-structure-and-function>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biochemistry

Course Last Reviewed

2024-2025

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