

# 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 Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Biochemistry

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