

# COURSE DETAIL

## CELL BIOLOGY

**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

**UCEAP Course Number**

103

**UCEAP Course Suffix****UCEAP Official Title**

CELL BIOLOGY

**UCEAP Transcript Title**

CELL BIOLOGY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course provides a comprehensive understanding of sub-cellular structures, functions and interactions in unicellular and multi-cellular systems. Emphasis is on cellular functions. Topics include structures and functions of organelles, organelle biogenesis (including organelle inheritance and import of proteins into organelles), intracellular protein trafficking, the cytoskeleton, and cell movements. In addition, students will be introduced to the current concepts of intercellular and intracellular signalling, molecular basis of cell proliferation and apoptosis.

### Language(s) of Instruction

English

### Host Institution Course Number

LSM2233

### Host Institution Course Title

CELL BIOLOGY

### Host Institution Course Details

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Biochemistry

### Course Last Reviewed

2023-2024

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