

# COURSE DETAIL

## INTRODUCTION TO QUANTITATIVE BIOLOGY

**Country**

Singapore

**Host Institution**

National University of Singapore

**Program(s)**

National University of Singapore

**UCEAP Course Level**

Lower Division

**UCEAP Subject Area(s)**

Biological Sciences

**UCEAP Course Number**

57

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

INTRODUCTION TO QUANTITATIVE BIOLOGY

**UCEAP Transcript Title**

INTRO/QUAN BIOLOGY

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Due to advances in imaging, genetics, and sequencing over the past 30 years, there has been an explosion in the amount of quantitative biological data. This course introduces mathematical and physical concepts and methods necessary for understanding and analyzing quantitative biological data. It uses systems from across biology, from photosynthesis to human sleep cycles, to demonstrate the power and applicability of these approaches.

## Language(s) of Instruction

English

## Host Institution Course Number

LSM2234

## Host Institution Course Title

INTRODUCTION TO QUANTITATIVE BIOLOGY

## Host Institution Course Details

## Host Institution Campus

## Host Institution Faculty

Science

## Host Institution Degree

## Host Institution Department

Biological Sciences

## Course Last Reviewed

2022-2023

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