

# COURSE DETAIL

## BIOLOGICAL OCEANOGRAPHY

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Environmental Studies

**UCEAP Course Number**

151

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

BIOLOGICAL OCEANOGRAPHY

**UCEAP Transcript Title**

BIOL OCEANOGRAPHY

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course is intended for students with knowledge of basic ecology. The focus is on oceanography, with investigation on interactive biological, chemical, and physical processes in the ocean. The discussions range from physical effects on the biology to biological effects on biogeochemical cycling; the spatial scale ranges from individual organisms (e.g. viscosity and turbulences on plankton feeding and nutrient uptake) to ecosystem (e.g. remote sensing and circulation modeling); the organism ranges from virus to whales. The objectives are to cover environmental effects such as ocean physics and chemistry affect organisms, across temporal and spacial scales. Further, the course explores how biological activities feedback to Earth environments, such as biogeochemical cycling and carbon flux and global climate changes.

## Language(s) of Instruction

English

## Host Institution Course Number

OCEAN5051

## Host Institution Course Title

BIOLOGICAL OCEANOGRAPHY

## Host Institution Course Details

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Oceanography

## Course Last Reviewed

2022-2023

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