

## COURSE DETAIL

### INTERTIDAL ECOLOGY: A FIELD STUDY APPROACH

**Country**

Taiwan

**Host Institution**

National Taiwan University

**Program(s)**

National Taiwan University

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Environmental Studies Biological Sciences

**UCEAP Course Number**

108

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

INTERTIDAL ECOLOGY: A FIELD STUDY APPROACH

**UCEAP Transcript Title**

INTERTIDAL ECOLOGY

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course provides an Introduction on formation of tides; distribution patterns of organisms in sandy shore, mangrove and rocky shore habitats, as well as relevant surveying techniques.

At the end of this course students should be able to:

1. Describe the physical environmental factors (e.g., waves, tides) shaping the intertidal environment
2. Understand the basic factors affecting the distribution and abundance of intertidal organisms
3. Understand the factors limiting species distribution patterns on the vertical intertidal gradient and study the methods to measure and investigate these patterns
4. Design experimental studies to investigate patterns (e.g., zonation) and processes (e.g. competition) in intertidal areas
5. Plan a simple experimental and statistical study on intertidal ecology.
6. Review and critique scientific papers

### Language(s) of Instruction

English

### Host Institution Course Number

EEB5054

### Host Institution Course Title

INTERTIDAL ECOLOGY: A FIELD STUDY APPROACH

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Ecology and Evolutionary Biology

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