

# COURSE DETAIL

## RIVER ECOLOGY CONCEPTS AND APPLICATIONS

**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**

103

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

RIVER ECOLOGY CONCEPTS AND APPLICATIONS

**UCEAP Transcript Title**

RIVER ECOLOGY

**UCEAP Quarter Units**

4.50

**UCEAP Semester Units**

3.00

## Course Description

This course develops an understanding of physio-chemical and ecological aspects of the freshwater systems, especially for Taiwan rivers; explains the causes and consequences of human modification of fresh waters, and their implications for conservation of aquatic biodiversity and maintenance of human well-being; describes the techniques which may be used to quantify the status of (and monitor the changes in) instream and riparian ecological niches; and introduces the range of management strategies that can be used to reduce or mitigate human impacts on freshwater ecosystems and maintain water quality; and the concept of drainage basin management. Assessment: final exam, coursework, assignments, projects.

### Language(s) of Instruction

English

### Host Institution Course Number

BSE5045

### Host Institution Course Title

RIVER ECOLOGY CONCEPTS AND APPLICATIONS

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

Bioenvironmental Systems Engineering

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