

## COURSE DETAIL

### WATER AND THE ENVIRONMENT

**Country**

Singapore

**Host Institution**

National University of Singapore

**Program(s)**

National University of Singapore

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Geography Environmental Studies

**UCEAP Course Number**

100

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

WATER AND THE ENVIRONMENT

**UCEAP Transcript Title**

WATER & ENVIRONMENT

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course provides an introduction to the subject of hydrology. The course covers hydrology processes in detail in addition to lectures on relevant water-related issues at the global and regional scale with examples taken from the region. Water is crucial for the survival of living organisms. The current emphasis on the availability and supply of water in Singapore and on a global scale points to the need for increased knowledge and awareness of this vital resource. Topics include rainfall; groundwater; river basin hydrology; hydrological hazards; elements of fluvial geomorphology; impacts of human activities on water; potable water and wastewater treatment; aquatic ecosystems; water cycles and geomatics; and integrated water resource management.

## Language(s) of Instruction

English

## Host Institution Course Number

GE2229

## Host Institution Course Title

WATER AND THE ENVIRONMENT

## Host Institution Campus

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Geography

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