

# COURSE DETAIL

## ENVIRONMENTAL MONITORING

**Country**

Australia

**Host Institution**

University of Sydney

**Program(s)**

University of Sydney

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Environmental Studies

**UCEAP Course Number**

126

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

ENVIRONMENTAL MONITORING

**UCEAP Transcript Title**

ENVIRON MONITORING

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

Human population growth is causing irreversible change to almost all environments on earth. The extent of human change has been so great that a new geological epoch, the anthropocene, has been defined. Global warming, the introduction of pollutants and excessive use of nutrients are stressors affecting the biodiversity and resilience of ecosystems, and pose threats to human and environmental health. These human impacts carefully need to be monitored to guide appropriate management of urban, natural and agricultural systems. This course covers transport pathways of pollutants, bioaccumulation, environmental toxicology (e.g., LD50 values), environmental monitoring and remediation techniques. Through lectures, laboratories and group work, concepts and methods of environmental monitoring are illustrated and discussed including findings from the latest research.

## Language(s) of Instruction

English

## Host Institution Course Number

ENSC2001

## Host Institution Course Title

ENVIRONMENTAL MONITORING

## Host Institution Campus

sydney

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Life and Environmental Sciences

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