

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 Course Details

Host Institution Campus

sydney

Host Institution Faculty

Host Institution Degree

Host Institution Department

Life and Environmental Sciences

Course Last Reviewed

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