

# COURSE DETAIL

## GIS FOR LAND AND COASTAL MANAGEMENT

**Country**

Australia

**Host Institution**

University of Sydney

**Program(s)**

University of Sydney, Summer at University of Sydney

**UCEAP Course Level**

Upper Division

**UCEAP Subject Area(s)**

Earth & Space Sciences

**UCEAP Course Number**

118

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

GIS FOR LAND AND COASTAL MANAGEMENT

**UCEAP Transcript Title**

GIS: LAND & COAST

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course examines analytical capabilities within GIS, various applications to complex environmental and coastal issues and ethical considerations in using and disseminating geographical information and knowledge. The fundamentals of GIS, spatial modelling and Earth observation will be introduced in the context of environmental and coastal management. Students will build on these foundational concepts through problem-based learning in which GIS methods will be applied to address issues relating to fire and biodiversity, acid sulphate soils, coastal processes and water security.

### Language(s) of Instruction

English

### Host Institution Course Number

GEOS3014

### Host Institution Course Title

GIS FOR LAND AND COASTAL MANAGEMENT

### Host Institution Campus

### Host Institution Faculty

### Host Institution Degree

### Host Institution Department

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