

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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