

COURSE DETAIL

GEOMORPHOLOGY: CATCHMENT TO COAST

Country

Australia

Host Institution

University of Melbourne

Program(s)

University of Melbourne

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography

UCEAP Course Number

125

UCEAP Course Suffix**UCEAP Official Title**

GEOMORPHOLOGY: CATCHMENT TO COAST

UCEAP Transcript Title

GEOMORPHOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course develop understanding of the physical processes of coasts and rivers, and how these processes interact, over time, to shape catchments and landscapes. A focus is on processes of erosion and deposition that occur as we follow the movement of water and sediment from hillsides, down rivers, through estuaries, to meet wave and tidal processes at the coast. A theme is the impact of humans on these geomorphic systems, and how these impacts can be predicted and managed. The course addresses major questions and challenges that are facing the management and research communities alike. These challenges include the impact of past and present management activities on both the fluvial and coastal processes. Furthermore, the impact of a changing climate on the rates and types of processes occurring in these dynamic environments are addressed both from a holistic catchment perspective and at the individual landform scale. Management of coasts and rivers is a growing area of employment. This course includes a 3-day field trip to the Otways Ranges in western Victoria, occurring over a weekend during semester, where students will collect and interpret field data from coasts and rivers.

Language(s) of Instruction

English

Host Institution Course Number

GEOG30001

Host Institution Course Title

GEOMORPHOLOGY: CATCHMENT TO COAST

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Geography

Course Last Reviewed

[Print](#)