

## COURSE DETAIL

### LANDSCAPES AND ENVIRONMENTAL CHANGE

**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**

122

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

LANDSCAPES AND ENVIRONMENTAL CHANGE

**UCEAP Transcript Title**

LANDSCAPES & ENVT

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## **Course Description**

The course focuses on the dynamic surface of our planet and the environments it sustains. The Earth's surface is shaped by a complex interaction of physical and biological processes operating over a range of spatial and temporal scales. Understanding these processes in the present day, as well as reconstructing landscape and ecological change in the past, enables us to predict their future response to climate change and human activity. This course studies the processes and spatial patterns that shape natural landscapes and learn about approaches of reconstructing their evolution. The course provides an appreciation of the ways that the dynamics of natural landscapes need to be incorporated into environmental management and the conservation of biodiversity. This includes an in-depth understanding of the wide spectrum of landforms (including mountains and hillslopes, glaciers, rivers, dunes, and coasts) and the processes contributing to their formation and decay. In addition, the subject addresses the geographic patterns and dynamics of life on the Earth's surface and investigates the way in which certain landscapes support particular types of ecosystems (such as rainforest, grassland, desert, estuarine and marine communities). Finally, the factors that may cause change in natural landscapes are explored to assess the roles played by climate, tectonics and humans over various timescales.

## **Language(s) of Instruction**

English

## **Host Institution Course Number**

GEOG20002

## **Host Institution Course Title**

LANDSCAPES AND ENVIRONMENTAL CHANGE

## **Host Institution Campus**

## **Host Institution Faculty**

## **Host Institution Degree**

## **Host Institution Department**

## Geography

[Print](#)