

COURSE DETAIL

ECOLOGY

Country

Australia

Host Institution

University of Sydney

Program(s)

University of Sydney

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

128

UCEAP Course Suffix**UCEAP Official Title**

ECOLOGY

UCEAP Transcript Title

ECOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores the dynamics of ecological systems, and considers the interactions between individual organisms and populations, organisms and the environment, and ecological processes. Four dominant themes are explored: interactions, evolutionary ecology, the nature of communities, conservation, and management. Emphasis is placed on the quantitative methods in ecology, including sound planning and experimental designs, and on the role of ecological science in the conservation, management, exploitation, and control of populations. Relevant case studies of ecological processes are drawn from marine, freshwater, and terrestrial systems, with plants, animals, fungi, and other life forms.

Language(s) of Instruction

English

Host Institution Course Number

BIOL3007

Host Institution Course Title

ECOLOGY

Host Institution Course Details

<https://sydney.edu.au/courses/units-of-study/2018/biol/biol3007.html>

Host Institution Campus

sydney

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

Course Last Reviewed

2024-2025

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