

COURSE DETAIL

ECOLOGY

Country

Hong Kong

Host Institution

Hong Kong University of Science and Technology (HKUST)

Program(s)

Hong Kong University of Science and Technology

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Biological Sciences

UCEAP Course Number

160

UCEAP Course Suffix

UCEAP Official Title

ECOLOGY

UCEAP Transcript Title

ECOLOGY

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course is designed to equip students with a comprehensive understanding of fundamental ecology principles, their practical applications, and how the concepts relate to the real world with examples from published scientific studies. Ecology is introduced at its different levels of organization, including organism-environment (biotic-abiotic) interactions, adaptations of plants and animals, the characteristics of populations as a basic biological unit in an ecosystem, intra and inter-specific interactions, community ecology, and ecosystem ecology. Students develop critical thinking and analytical skills by interpreting ecological data and applying theoretical knowledge to real-life scenarios. By the end of the course, students have a solid foundation in ecological principles, preparing them for further study or careers in conservation, environmental science, scientific research, and related fields.

Language(s) of Instruction

English

Host Institution Course Number

LIFS3160,OCES 3160

Host Institution Course Title

ECOLOGY

Host Institution Course Details

<https://prog-crs.hkust.edu.hk/ugcourse/2025-26/search?keyword=OCES%203160>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Ocean Science

Course Last Reviewed

2025-2026

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