

COURSE DETAIL

BIOLOGY AND ECOLOGY OF CORAL REEFS

Country

Barbados

Host Institution

University of the West Indies

Program(s)

University of the West Indies

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

130

UCEAP Course Suffix**UCEAP Official Title**

BIOLOGY AND ECOLOGY OF CORAL REEFS

UCEAP Transcript Title

BIO&ECOL CORAL REEF

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course explores the distribution of coral reefs, reef types, formation, and erosion. It examines the anatomy and morphology of scleractinian corals, calcification, nutrition, and reproduction. This course offers a study of the ecology of coral communities including: reef community structure, zonation and dynamics; productivity and nutrient cycling; functional diversity and redundancy in coral reefs; sponge-algae-coral interactions; key trophic interactions; reef resilience and phase shifts; major taxonomic groups of reef-associated organisms and their ecological function. Finally, it discusses the value and uses of Caribbean coral reef ecosystems, threats to Caribbean coral reefs, and current trends in coral reef research.

Language(s) of Instruction

English

Host Institution Course Number

ECOL 3460

Host Institution Course Title

BIOLOGY AND ECOLOGY OF CORAL REEFS

Host Institution Course Details

Host Institution Campus

UWI-Cave Hill

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological & Chemical Sciences Department

Course Last Reviewed

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