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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