COURSE DETAIL

GLOBAL CHANGE BIOLOGY
Country Hong Kong
Host Institution Chinese University of Hong Kong
Program(s) Chinese University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Biological Sciences
UCEAP Course Number 130
UCEAP Course Suffix
UCEAP Official Title GLOBAL CHANGE BIOLOGY
UCEAP Transcript Title GLOBAL CHANGE BIOL
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description
This course discusses the impact of global environmental changes on biological systems and their ecosystems. Focus is on how global warming, and associated changes such as altered rainfall, sea level rise, and ocean acidification, have changed the biological communities of the Earth's various ecosystems, from forests to coral reefs. The impact at biological levels from molecules to cells, organisms, populations, and communities are explored.The course introduces models for projecting future changes in Earth systems, biological communities and ecosystem services under climate change. While the major focus is on climate change, the course also examines other aspects of global environmental change, such as habitat deterioration. Students are required to present case studies of global change biology based on latest research findings.

Language(s) of Instruction
English

Host Institution Course Number
BIOL4230

Host Institution Course Title
GLOBAL CHANGE BIOLOGY

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

Course Last Reviewed

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