

COURSE DETAIL

GLOBAL ENVIRONMENTAL CHANGE

Country

China

Host Institution

Fudan University

Program(s)

Fudan University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

144

UCEAP Course Suffix**UCEAP Official Title**

GLOBAL ENVIRONMENTAL CHANGE

UCEAP Transcript Title

GLOBAL ENVT CHANGE

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course aims to explain the importance of various natural processes and human activities that shape the modern Earth and lead to global environmental change based on the interdisciplinary scientific principles of climate, ecosystems, and biogeochemistry. The course uses primary scientific literature, presentations, videos and the discussion on global change prediction, assessment and policy measures to provide a critical understanding of physical climate system and its variability, the carbon cycle and related biogeochemistry and ecosystem processes, land use issues, the interactions among climate, ecosystems and biogeochemistry, and the impact of global change on societally relevant parameters. You should be able to read and interpret a scientific paper and assess a global change-related topic or policy in the context of multiple disciplines.

Language(s) of Instruction

English

Host Institution Course Number

ENVI130044

Host Institution Course Title

GLOBAL ENVIRONMENTAL CHANGE

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Environmental Science and Engineering

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