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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Environmental Science and Engineering

Course Last Reviewed
2023-2024

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