COURSE DETAIL

GLOBAL ENVIRONMENTAL SYSTEMS
Country Japan
Host Institution Waseda University
Program(s) Waseda University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Environmental Studies Earth & Space Sciences
UCEAP Course Number 100
UCEAP Course Suffix
UCEAP Official Title GLOBAL ENVIRONMENTAL SYSTEMS
UCEAP Transcript Title GLOBAL ENV SYSTEM
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

This course covers issues involved in global environmental changes and introduces system thinking, which is used in natural and social sciences. The course covers the following topics:

1: Global Change: Overview
2: System Diagram
3: Daisyworld
4: Global Energy Balance
5: The Atmospheric Circulation System
6: The Circulation of the Oceans
7: The Carbon Cycle
8: Long-Term Climate Regulation
9: Faint Young Sun Paradox, Early Earth
10: Short-Term Climate Variability
11: Global Warming and An Inconvenient Truth
12: Kepler and Milankovitch
13: Ozone Depletion

Language(s) of Instruction
English

Host Institution Course Number
PLNX301L

Host Institution Course Title
GLOBAL ENVIRONMENTAL SYSTEM

Host Institution Course Details
http://www.wsl.waseda.jp/syllabus/JAA104.php?pKey=210LE4020051202521 0LE4020021&...

Host Institution Campus
Waseda University

Host Institution Faculty

Host Institution Degree
Host Institution Department SILS
Course Last Reviewed 2025-2026

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