

COURSE DETAIL

ENVIRONMENTAL ISSUES

Country

Japan

Host Institution

Waseda University

Program(s)

Waseda University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies

UCEAP Course Number

101

UCEAP Course Suffix**UCEAP Official Title**

ENVIRONMENTAL ISSUES

UCEAP Transcript Title

ENVIRONMENT ISSUES

UCEAP Quarter Units

3.00

UCEAP Semester Units

2.00

Course Description

This course analyzes clues to major environmental issues that the world faces today. First, it studies the basic process and mechanism of the natural environment and how living organisms adapt to the environment. Secondly, the course teaches the role of semi-natural disturbances on biodiversity conservation. Traditional agricultural practices in Japanese Satoyama and agro-forestry in Indonesia provide some good examples of where people receive natural resources and ecosystem services locally and how energy is flowing in cycle, as well as providing habitat for native species. Such balanced interaction in turn can function as a resilient ecosystem. This concept is called the Ecosystem-Based Disaster Risk Reduction (Eco-DRR). Thirdly, the course studies the impacts of recent human activities such as overexploitation of natural resources, industrialization, intensive agriculture and globalization, on ecosystems, wildlife and as well as on our health and safety. Topics include environmental carrying capacity, chemical pollution and bioaccumulation, soil erosion, global warming, climate change, endangered species, aging society and under-use of local resources problem, impacts of invasive species and genetically modified organisms (GMO), and how they are complexly interrelated. Last, the course discusses issues on alternative power/renewable energy usage, such as biomass and geothermal power generation.

Language(s) of Instruction

English

Host Institution Course Number

ENVE201L

Host Institution Course Title

INTRODUCTION TO ENVIRONMENTAL SCIENCE

Host Institution Course Details

<https://www.wsl.waseda.jp/syllabus/JAA104.php?pKey=210LE30700012025210LE3070021...>

Host Institution Campus

Waseda University

Host Institution Faculty

Host Institution Degree

Host Institution Department

SILS

Course Last Reviewed

2024-2025

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