COURSE DETAIL

ECOSYSTEM HEALTH

Country
Italy

Host Institution
University of Bologna

Program(s)
University of Bologna

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Environmental Studies

UCEAP Course Number
177

UCEAP Course Suffix

UCEAP Official Title
ECOSYSTEM HEALTH

UCEAP Transcript Title
ECOSYSTEM HEALTH

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course provides students with an overall view on the state of the earth's ecosystems, their health and biodiversity, as well as the problems resulting from anthropogenic impacts. Furthermore, the student acquires notions about the conservation methods of ecosystem health. The course contents focuses on the following aspects:

- Brief history of the conservation of ecosystem diversity.
- Distribution and diversity of global ecosystems. Spatial and temporal gradients of ecosystems. Importance of biodiversity for the functioning of ecosystems, ecosystem functions, processes, and global health.
- Threats to Earth's ecosystem diversity, mass extinctions, and global changes.
- Processes of overexploitation, degradation, and contamination of ecosystems.
- Conservation methods of ecosystems. Social, economic, and political elements for ecosystem conservation.
- National and international strategies and case studies, protected areas, ecological corridors, rewilding, and other approaches to conserve ecosystem health.
- Outline of modern technologies in support of ecosystem conservation.
- Examples of success practices in ecosystem conservation.

Language(s) of Instruction
English

Host Institution Course Number
B6600

Host Institution Course Title
ECOSYSTEM HEALTH

Host Institution Course Details
https://www.unibo.it/en/study/course-units-transferable-skills-moocs/course-uni...

Host Institution Campus

BOLOGNA

Host Institution Faculty

Host Institution Degree

L in BIOLOGY OF HUMAN AND ENVIRONMENTAL HEALTH

Host Institution Department

BIOLOGICAL, GEOLOGICAL, AND ENVIRONMENTAL SCIENCES

Course Last Reviewed

2025-2026

[Print](#)