COURSE DETAIL

PLANTS, ENVIRONMENT, AND SOCIETY
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 151
UCEAP Course Suffix
UCEAP Official Title PLANTS, ENVIRONMENT, AND SOCIETY
UCEAP Transcript Title PLANTS ENV&SOCIETY
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Please note course extends into January, available for year students only. T he course focuses on the relationship between plants and environment and the implications for society. Different aspects of the modern or alternative use of plants is analyzed. Special attention is placed on associating structural and functional characteristics of plants with their influence on environmental and economic sustainability as well as human health. The laboratory associated with the course focuses on how science (in particular plant biotechnology) is the basis for technology and knowledge regarding the use of plants in modern society. Students are encouraged to pursue personal interests connected to the course. The course discusses topics including cell cultures of plant tissues and organs, transgenic plants, plants and food, alimurgic plants, dyeing plants, phytoremediation, the plants as bio-indicators of pollution; urban plants as bio-indicators of climate change, positive and negative interactions of plants with human artifacts (monuments and architectural works), palynology, plants as a source of energy., biorefineries, and bioplastics. To be able to attend the laboratory, students must possess laboratory safety certification (completion of Modules 1 and 2 of the laboratory safety certification) at Unibo.

Language(s) of Instruction
Italian

Host Institution Course Number
59157

Host Institution Course Title
PIANTE, AMBIENTE E SOCIETA'

Host Institution Course Details
http://www.unibo.it/en/teaching/course-unit-catalogue/course-unit/2021/362821

Host Institution Campus
BOLOGNA

Host Institution Faculty
NATURAL SCIENCE

Host Institution Degree
LT degree in Natural Sciences

Host Institution Department
ENVIRONMENTAL SCIENCE

Course Last Reviewed
2021-2022

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