

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. The 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

PLANTS, ENVIRONMENT, AND SOCIETY

Host Institution Campus

BOLOGNA

Host Institution Faculty

NATURAL SCIENCE

Host Institution Degree

LT degree in Natural Sciences

Host Institution Department

ENVIRONMENTAL SCIENCE

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