

COURSE DETAIL

SOIL BIOLOGY

Country

Denmark

Host Institution

University of Copenhagen

Program(s)

University of Copenhagen

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Environmental Studies Biological Sciences

UCEAP Course Number

107

UCEAP Course Suffix**UCEAP Official Title**

SOIL BIOLOGY

UCEAP Transcript Title

SOIL BIOLOGY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course is a study of soil organisms and how they drive and regulate processes in complex soil environments. Students gain knowledge and understanding of the physical and chemical properties of soils, the organism groups inhabiting the soil and their interaction with each other and with plants, the impact of soil organisms on important processes in soil, and the methods and techniques used for investigating soil ecological issues. Other concepts covered in this course include the role of soil organisms in the biosphere, the diversity of soil organisms, the decomposition process, aboveground-belowground interactions via plants, and the diversity and functioning of soil communities. Students evaluate the effects of human activities on the soil environment and determine the functions soils provide as services to the environment and human society. Students also design, perform, and analyze experiments addressing ecological and biological issues and perform written and oral presentations to communicate acquired knowledge.

Language(s) of Instruction

English

Host Institution Course Number

NBIK14007U

Host Institution Course Title

SOIL BIOLOGY

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

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