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 Course Details

Host Institution Campus
Science

Host Institution Faculty

Host Institution Degree

Host Institution Department
Biology

Course Last Reviewed

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