

COURSE DETAIL

SOIL AND PLANT ECOLOGY

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

123

UCEAP Course Suffix**UCEAP Official Title**

SOIL AND PLANT ECOLOGY

UCEAP Transcript Title

SOIL & PLANT ECOL

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

This course explores the intersection of biological, chemical, and geological processes that shape the soil environment. In an era of unprecedented human-induced environmental change, research in this field is advancing rapidly. The course explores the processes underlying biogeochemical cycles of carbon and nutrients, soil formation and erosion, and examines how human activities alter these processes. Topics include microbial and plant-mediated carbon and nutrient cycling, the role of biological diversity in biogeochemical processes, the importance of mycorrhiza for plant nutrition, soil food webs, and exploration into how new techniques are advancing studies of the soil environment. The course is designed to facilitate critical discussion and analysis of various soil processes, and improve research, dissemination, and presentation skills.

Language(s) of Instruction

English

Host Institution Course Number

BIOR78/EXTN20

Host Institution Course Title

SOIL AND PLANT ECOLOGY

Host Institution Campus

Science

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biology

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