

COURSE DETAIL

HYDROLOGY AND AQUATIC ECOLOGY

Country

Sweden

Host Institution

Lund University

Program(s)

Lund University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Engineering Civil Engineering

UCEAP Course Number

154

UCEAP Course Suffix**UCEAP Official Title**

HYDROLOGY AND AQUATIC ECOLOGY

UCEAP Transcript Title

HYDRO&AQUATIC ECOL

UCEAP Quarter Units

12.00

UCEAP Semester Units

8.00

Course Description

This course provides students with a holistic view of the water environment so that it treats water both from physical and biological viewpoints. The main topics are: water resources, the hydrological cycle and processes, lakes and running water, ecological concepts, nutrient cycles, human impact. The course contents cover water resources and water circulation (hydrological processes, precipitation, evaporation, infiltration, soil, and groundwater and runoff) and also the circulation of nutrients, food webs, water chemistry, and species knowledge (ecological relationship between organisms and the aquatic environment). The course is divided in to three blocks: 1) Physical/chemical mechanisms, 2) Organisms, and 3) Restoration. Block 1 and Block 2 are covered mainly during period 1 and block 3 is covered during period 2.

Language(s) of Instruction

English

Host Institution Course Number

VVRA01

Host Institution Course Title

HYDROLOGY AND AQUATIC ECOLOGY

Host Institution Campus

Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department

Engineering- Water Resource Engineering

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