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 Course Details

Host Institution Campus
Engineering

Host Institution Faculty

Host Institution Degree

Host Institution Department
Engineering- Water Resource Engineering

Course Last Reviewed

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