COURSE DETAIL

URBAN ECOSYSTEMS: STRUCTURES, FUNCTIONS AND DESIGNS
Country Denmark
Host Institution University of Copenhagen
Program(s) University of Copenhagen
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Urban Studies Environmental Studies
UCEAP Course Number 143
UCEAP Course Suffix
UCEAP Official Title URBAN ECOSYSTEMS: STRUCTURES, FUNCTIONS AND DESIGNS
UCEAP Transcript Title URBAN ECOSYSTEMS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course focuses on the ability of green infrastructures to contribute to resource management, climate adaptation, and social-cultural performance of urbanized areas. The main focus of the course is on the freshwater cycle in urban settings and there is a special focus on adaptation to more extreme weather conditions, especially stormwater management and flood control. The interdisciplinary course, relevant for urban designers and planners as well as for agronomists, geographers, and biologists, encourages a transfer of scientific knowledge into new urban designs at multiple scales to increase sustainability and climate resilience. The course contains a number of lectures in which relevant knowledge from environmental chemistry, agronomy, climatology, and biology is presented. The lectures are supported by several exercises and study tours for a better understanding. By means of innovative learning methods, the theory is transferred to design criteria and specific design proposals.

Language(s) of Instruction
English

Host Institution Course Number
LNAK10028U

Host Institution Course Title
URBAN ECOSYSTEMS: STRUCTURES, FUNCTIONS AND DESIGNS

Host Institution Course Details
https://kurser.ku.dk/course/lnak10028u/2023-2024

Host Institution Campus

Host Institution Faculty
Science

Host Institution Degree
Master

Host Institution Department
Geoscience and Natural Resource Management

Course Last Reviewed
2023-2024

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