AD2840 Sustainable Design in the Urban Space 7.5 credits

Sustainable Design in the Urban Space

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for AD2840 valid from Spring 2010

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Architecture

Specific prerequisites

120 p from architecture, landscape architecture or planning programs on graduate level.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

Sustainable Design in the Urban Space (SDUS) is a module in four parts intended to give advanced students of urban planning and design a structured, practical perspective on environmental sustainability.

Course contents

SDUS is structured to deliver four coherent packages of knowledge and skill, each building on the last, to inculcate in urban planners/designers a robust, useable and updateable base for application in research and professional application. Each package has the following objective:

· beginnings: Orientation in general sustainability issues

· principles: Understanding of the systematic base of environmental sustainability.

· methods: Review of methods for sustainable urban design.

practice: Exploration of techniques for project development, based on emerging best-practice.

The teaching mode of SDUS is intended to stimulate original thought, critical commentary, systematic analysis and research, study collaboration, professional experience and creative project development

Disposition

The four parts of the SDUS syllabus have two structuring features: an overarching organic structure and 'foundational 'elements, designed to provide a solid platform for technical and professional work in the urban planning and design field.

The structure moves cumulatively from general and unstructured notions in a discursive format, through abstract and conceptual principles, to concrete methods and real-world best practice.

Each package in the module is itself structured organically to gather together key themes under the heading and culminate in a 'foundation stone', as the main takeaway, which both summarises the preceding material and, more explicitly, proposes a platform (in terms of an agenda, or framework) for future work.

Course literature

Will be announced at Course Start.

Examination

• MOM1 - 80% Attendance and Assignments, 7.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH’s coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

80% attendance at lectures and active participation at seminars. Project review by teacher on at least two occasions. Completion and hand in of studio project and essay, individually.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.