A42U4B Urban studio 4:4 12.0 credits

Urban designstudio 4:4

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

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

Establishment

Course syllabus for A42U4B valid from Autumn 2009

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Architecture

Specific prerequisites

Bachelor's Degree, or an equivalent level, within the field of Architecture.

Language of instruction

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

Intended learning outcomes

Sustainable city

Overall goals
The project is part of the Urban Studio.
Studio Description: This studio discusses sustainable urban development in terms of globalization, climate changes, mega cities and urban strategies - transformed into new typologies and innovative urban design.
2. The course/project goal is to increase the student's knowledge in this area/field and skills/knowledge in the field of architecture in general. The students will enter the project with varying degrees of knowledge/skills and will subsequently end up at different levels at the end of the course/project.
3. The individual student must show an increase in the particular skills/knowledge offered in the studio and in the field of architecture in general.

Kursmål - Course goals

At the end of the course the students should:

-Have developed an advanced work methodology and design skills that would enable them to develope project proposals at high level of complexity.

-Have learned the principles of sustainable urban design that integrate and manage various aspects of urban complexity. Such as, methods for planning and organization of urban built form, infrastructure and transportation systems, management of natural resources, quality of public space, latest technologies.

-Have gained the ability to clearly present and formulate the urban design proposals at various scales through drawings, 3D and physical models, text and analytical diagrams.

Course contents

During this project the students will explore the notion of the sustainable city in relation to the context of the present 21st century global cities. Our present knowledge, experience and notions of urban design will be tested and challenged in respect to the dynamic and fast changing urban environment. The comparasion between global vs swedish context will be emphasized in terms of changing economies,

new technologies, urban form and dynamic between global and local culture.

In this course the students will learn to test and implement the knowledge and tools gained in the previous courses to develop proposals for sustainable urban space at a more advanced level. A particular project site will be chosen for the development of the design proposals. Students will test their proposals at various scales: neighborhood, local, regional and global.

Disposition

Weekly workshops in a studio, critique, a lecture series, literature reading, tutorials.

Course literature

Eco-Urbanism: Sustainable Human Settlements, 60 Case Studies, (Arquitectura Y Diseno + Ecologia), Miguel Ruano

-Energy Manual, Sustainable Architecture. Authors: Martin Hegger, Matthias Fuchs, Thomas Stark, Martin Zeumer

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- The Chinese Dream. A Society under Construction. 010 Publishers

- Cities Full of Space. Qualities of Density. Rudy Uytenhaak. Edited by Ed Melet, Jeroen Mensink

Designed by Jaap van Triest. Published 2008

-Sustainable Compact City, Poul Baek Pederssen, 2009 Arkitekturskolans Forlag, 2nd edition

Examination

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.

Other requirements for final grade

a) Presentation requirements
Submit DESIGN task according to specifications
Submit RESEARCH task according to specifications

b) Examination
80% attendance. Active participation in lectures, tutorials, and seminars etc. Passed intermediate and final assessments. Compulsory attendance during the assessment reviews.
Completion: The project work shall be delivered and, if necessary, reworked within the set time limit. See general directions.
(Overall principle: Autumn term projects must be approved during the following Spring term: Spring term projects must be approved before the start of the following Autumn term. The reworked projects must be delivered at least one week before the time limit.)
The project work is to be documented in a portfolio, including drawings, analysis and models. The work process shall be legible.

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.