



AG2805 Sustainable Planning and Design 15.0 credits

Planering och design för hållbar stadsutveckling

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 AG2805 valid from Autumn 2019

Grading scale

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

Education cycle

Second cycle

Main field of study

Built Environment

Language of instruction

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

Intended learning outcomes

The purpose of the course is to explore and understand urban sustainable development in the context of planning and design and to indicate how its practice can be improved.

After completing the course, the student should be able to:

- summarise, compare and critically discuss definitions of sustainable development and urban sustainable development,
- identify and apply planning and design methodologies that contribute to urban sustainable development, including tools for assessment
- identify main characteristics of different city districts and analyse these in relation to urban sustainable development,
- identify and characterise main actors of urban sustainable development,
- creatively explore and critically analyse how planning and design can contribute to urban sustainable development of a city such as Stockholm– in short and long time perspectives,
- present proposals and analyses as text, drawings and/or illustrations as well as orally.

Course contents

The teaching and exercises cover the following topics:

1. The concept of urban sustainable development
What is the challenge of urban sustainable development? We explore its ecological, social, institutional and economic aspects. We also study differences between its policy, science and planning documents.
2. Urban sustainable development in a Stockholm perspective
We analyse and compare the urban structures and the urban life of areas from different epochs, based on observation, historical documents etc. We relate findings to urban sustainable development.
3. The outcomes of planning and design
What if urban sustainable development were on top of the agenda? How could plans and designs best address the challenge? What important sustainability aspects cannot be addressed? We work in projects or studios, supported by lectures, seminars and reading.
4. The process of planning and design
In order to efficiently address urban sustainable development, planners and designers need to involve other actors – politicians, officials, consultants, developers, contractors, other organizations, as well as the citizens. In a role game based on previous work in the course, we display and analyse these actors and their different approaches to urban sustainable development.

Specific prerequisites

A Bachelor's degree in architecture or landscape architecture, civil engineering in the built environment or equivalent, urban and regional planning or social sciences, including at least 30 ECTS in the field of urban, transport or regional planning and economy, geoinformatics or environmental sciences.

Course literature

Beslutas senare

Examination

- PRO1 - Project and Studio Work, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- SEMB - Methods, 3.0 credits, grading scale: P, F
- SEMC - Seminars and Exercises, 3.0 credits, grading scale: P, F
- TEN1 - Written exam, 3.0 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.

Other requirements for final grade

Written exam (TEN1; 3 cr),
Seminars and written exercises (SEM1; 3 cr),
Seminars and exercises (SEM2; 3 cr),
Project and studio work (PRO1; 6 cr)

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.