



AG2150 Sustainable Planning and Design 15.0 credits

Planering och design för hållbar stadsutveckling

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

Establishment

On 01/10/2020, the Dean of the ABE School has decided to establish this official course syllabus to apply from autumn term 2021 (registration number M-2020-1988). A-2020-2013.

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

In total 135 ECTS-credits, including 30 ECTS-credits within the subject architecture, urban and regional planning, economics, geoinformatics or environmental science.

English 6

Language of instruction

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

Intended learning outcomes

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

- Describe and compare different ways to address and work with sustainability in urban and regional planning and development
- Describe, discuss critically and relate constructively to different knowledge fields in sustainable urban planning and development, both theoretical and practical knowledge bases, their different preconditions, methodological approaches and limitations, as well as included key concepts.
- Describe and review existing urban environments and contemporary urban development based on knowledge of social, economic, environmental and institutional factors that influence urban development.
- Develop a strategy for, as well as a plan proposal for or a design of an area that takes starting point in an understanding of local preconditions and needs and a detailed problem analysis that highlights different sustainability aspects from both a local and global perspective.
- Evaluate plans, measures or design proposals based on a critical analysis of how they contribute to a sustainable local and global development
- Reflect on how the design and function of a place, a city and peri-urban areas change and how these influence the use of the city and the living conditions for different groups in society depending on sex, age, ethnicity and socio-economic or other factors.
- Reflect on how different strategies and measures relate to, influence and are influenced by economic, ecological, ethical, and political preconditions and challenges, as well as to more-than-human perspective.

Course contents

The course consists of following parts:

- Introduction to urban planning and design from an cross-disciplinary and interdisciplinary perspective through literature seminars, study visits, workshops and practical examples to create understanding of the complexity that characterises urban development of today and the future.
- Project assignment that includes an exploration of local preconditions and complex challenges in an ongoing urban development project considered in a regional and global context. By highlighting several sustainability aspects and test different measures, students develop an elaborated proposal for the future development of the study area.
- Specialisations of selected sustainability themes that contribute to developing and discussing measures and explore strategies and analyse critically different perspectives on sustainable development based on the global development goals and local preconditions.

- Individual reflection on planning and design for sustainable development that is based on a knowledge-seeking process that takes starting point in the course contents and the student's own background.

Examination

- ÖVN1 - Exercise, 2.0 credits, grading scale: P, F
- PRO1 - Project assignment, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN2 - Exercise, 3.0 credits, grading scale: P, F
- INL1 - Individual assignment, 5.0 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.

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

The examiner determines, based on recommendation from the KTH office of support to students with disabilities, possible adapted examination for students with documented, permanent disabilities.

The examiner may permit other examination formats at the re-examination of individual students.

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.