



HS1009 Urban Planning 7.5 credits

Samhällsplanering

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

Establishment

The course syllabus is valid from spring term 2020.

Grading scale

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

Education cycle

First cycle

Main field of study

Architecture, Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

Upon completion of the course, the student shall be able to:

- the basic concepts of the Swedish Planning and Building Act
- design a smaller area with different types of structures and thereafter draw up a detailed development plan illustration using CAD
- create a detailed development plan along with regulations
- account for how a detailed development plan is formally managed up until it becomes legally binding
- give a graphic presentation of a detailed development plan
- account for the establishment of a building permit
- basic concepts of real estate law
- calculate the total water requirements for an area with various types of developments and urban functions
- calculate run-off from wastewater and surface water for an area with various types of developments and urban functions
- dimension water mains, wastewater pipes, and storm pipes from this area
- account for the geometric design and profile of a street as well as the composition of the road structure.

Course contents

- Construction development
- Municipal land use planning
- Building permits and detailed development plans
- Water requirements in a neighborhood
- Design of water supply and sewage piping
- The geometric design of a street in plan and profile
- The various layers in the road structure and their functions

Examination

- PRO1 - Project, 4.5 credits, grading scale: P, F
- TEN1 - Examination, 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.

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

The course contains a number of mandatory modules, in accordance with the course memo.

To receive a final grade for this course, the following are required: a passing grade on the written examination (TEN1), a passing grade on the submitted assignments (PRO1) as well as participation in the mandatory modules.

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.