



HS1009 Urban Planning 7.5 credits

Samhällsplanering

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

Establishment

Course syllabus for HS1009 valid from Spring 2012

Grading scale

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

Education cycle

First cycle

Main field of study

Architecture, Technology

Specific prerequisites

Completed course in fluid mechanics

Language of instruction

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

Intended learning outcomes

Goals to receive a grade of E:

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

- Establish a detailed development plan for a small housing area containing various types of structures
- Establish the documents required for a building permit application
- Describe the administration behind various permit processes
- Draw a detailed development plan and an illustrative plan using CAD
- Describe how a detailed development plan is formally handled until it becomes legally binding
- Present a completed detailed development plan in a clear manner
- 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

Course contents

- Urban and residential development
- Municipal, regional and state planning
- Building permits and detailed development plans
- The Environmental Code
- Environmental impact assessments
- Water requirements in a neighborhood
- Design of water supply and sewage piping

Course literature

Boken om detaljplan och områdesbestämmelser, Boverket 2002

FAH, Plan- och Bygglagen mm, 2002

Exerpts from:

Allmänna vattenledningsnät, VAV, P83, 2001

Dimensionering av allmänna avloppsledningar, Svenskt vatten, P90, 2004

Ledningsbyggnad, system av betong, 1995

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.

Other requirements for final grade

Written examination (TEN1, 3 credits), grading scale A-F
Approved assignments (ÖVN1, 4.5 credits)

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.