



AH1021 Urban and Traffic Planning, Basic Course 7.5 credits

Stads- och trafikplanering, grundkurs

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

Establishment

Grading scale

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

Education cycle

First cycle

Main field of study

The Built Environment, Technology

Specific prerequisites

Planning, Building and Environment Law besides Economic Geography.

Language of instruction

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

Intended learning outcomes

The course provides a basic overview of history, theory and methods for analysis and planning of urban areas focusing on the relationship between the built environment and the transport system. The aim is also to enhance the ability to work in groups with physical urban & traffic planning including design and presentation of plans and solutions regarding traffic system & and urban development.

Course contents

- Historic overview of the relationship between technological advances in the transport field and urban localisation and development.
- Excursion in the Stockholm region reviewing areas from different periods and the relationship between land use, urban form and physical planning.
- Literature study, writing and presentation of paper on selected topics.
- Methods for analysis, design and evaluation of traffic facilities.
- Goals, theories and methods for urban planning including Swedish and international examples.
- Methods for development of programmes, planning conditions and forecasts for urban planning.
- Methods for goal analysis, design and evaluation of traffic network & facilities for different modes of transport.
- Short exercises with application of different theories and methods.
- Project work with development of a town plan for part of a city.

Course literature

- Course folder including traffic planning textbook, material from Swedish guidelines and manuals for urban and traffic planning, and extracts from urban planning literature. In Swedish.
- Lugna gatan (Kommunförbundet 1998). In Swedish.
- TRAST; Trafik för en attraktiv stad (Vägverket och Kommunförbundet 2004). In Swedish.
- Vägar och gators utformning (VGU 2004) Vägverket och Kommunförbundet. In Swedish.
- Stadsplanera (Boverket 2003). In Swedish.
- Stadsplanering i Sverige (Åström 2003). In Swedish.

Examination

- ÖVN1 - Exercises, 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 (TEN; 3 cr) and project work (ÖVN; 4,5 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.