



# AH101X Degree Project in Civil Engineering, First Cycle 15.0 credits

Examensarbete inom samhällsbyggnad, grundnivå

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 AH101X valid from Spring 2019

## Grading scale

P, F

## Education cycle

First cycle

## Main field of study

Technology

## Specific prerequisites

At least 120 educational credits should have been collected before the degree project may be started. Of these must be 60 credits in advanced specialisation at the first-cycle level within the main field of study including advanced traffic studies, where the courses AH1021, AH1022, AH1023 and AH1025 should be completed before the degree project may be started.

It is the responsibility of the examiner to ensure that the student has the required deepened knowledge and that the student has completed the main part of the studies before the degree project is started. Exemption can after hearing be granted by the director of first and second cycle education.

## Language of instruction

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

## Intended learning outcomes

After completed degree project, the student should be able to

show knowledge of the scientific foundation and the applicable methods of the chosen subject area, orientation in current research and development activities, and an advanced knowledge within the transport- and traffic field.

demonstrate the ability to search, collect and use relevant information critically and identify one's needs of additional knowledge

demonstrate the ability to formulate, assess and handle problems and critically discuss phenomena, issues and situations

demonstrate the ability to plan and with applicable methods carry out assignments within given time frames

demonstrate the ability to orally and in writing present and discuss information, problems and solutions in dialogue with different groups

demonstrate the ability to make judgements with regard to relevant scientific, social and ethical aspects

demonstrate the skills required to work independently within some part of the main field of technology

demonstrate an understanding of the meaning of a sustainable development within the subject area

## Course contents

The degree project should constitute a specialisation within the main field for first-cycle studies to satisfy the requirements for higher education qualification. The course is designed as a limited project of independent nature within transport planning.

## Disposition

The course is carried out as a project work and is carried out individually or together with another student. The course is organised with organised supervision and in continuous synchronization throughout the course period.

## Course literature

Relevant litteratur för att kunna genomföra examensarbetet.

## Examination

- XUPP - Examination Assignment, 15.0 credits, grading scale: P, 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.

The degree project should normally be carried out under the program's last semester. To pass the degree project must the achievement not be below any of the expected learning outcomes of the course.

## Other requirements for final grade

Accepted examination assignment that is presented at a seminar.

## 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.