



# AH221X Degree Project in Systems Analysis and Economics, Second Cycle 30.0 credits

Examensarbete inom systemanalys och ekonomi, avancerad nivå

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 AH221X valid from Autumn 2007

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Built Environment, Technology and Economics

## Specific prerequisites

In general the rule is that the main part of the studies, at least 60 credits should be ready before the thesis work is allowed to start. The examiner must make sure that the student has focused in the relevant area (see last paragraph) and that the main part of the program is ready before the thesis work starts. Exceptions can be made by the person responsible for

basic education. The masters thesis should normally be written during the last term of the program.

## Language of instruction

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

## Intended learning outcomes

The master thesis project should develop the student's ability to work independently, to acquire deepened knowledge about a problem within the subject of interest and to delimit, plan and carry out a longer project. The student should get training in scientific methodology, report writing, giving constructive criticism and oral presentations.

## Course contents

First, the student should together with the examiner identify an interesting problem. The problem may originate from the student, external bodies, or the department. The project should require five months of full time work. The project starts with a detailed specification and time schedule for the work, and a literature survey that is relevant for the selected problem. It also includes participation in seminars and learning how to write a scientific report. The main focus is on investigation and analysis. Programming is secondary, but may be necessary to test and verify methods and theory. The project is documented in a written report and is also presented at a seminar. The final report is printed after the seminar. The student should also, if required, act as a discussant at another master's project seminar. Two students may work together on the same project but it should be possible to distinguish between the contributions of each individual. The report should normally be written in English, but Swedish is also possible.

## Course literature

Decided individually by the examiner.

## Examination

- XUPP - Examination Question, 30.0 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.

## Other requirements for final grade

Approved master thesis and seminar presentation.

## 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.