



# HI1009 Software Project 7.5 credits

## Programvaruprojekt

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 HI1009 valid from Autumn 2007

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Information Technology, Technology

## Language of instruction

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

## Intended learning outcomes

This course will train the student to develop large software systems working in engineering projects.

The project will give basic understanding and training in methods and tools used in software development.

After completion of the course the student should

- have knowledge of the development process of a large software system, with regard to reusability, maintenance and extensions
- be able to analyse and design a large software system
- be able to implement and test a large software system
- have knowledge of documentation (implementation as well as user perspective)

have deeper knowledge of project methods

## Course contents

- Analysis and system specification
- Design and implementation rules for reusability, maintenance and extensions
- Testing and programme validation methods
- Documentation. Installation support and manual
- Version handling
- Juridical aspects of software development

## Specific prerequisites

Knowledge of object oriented programming. Basic knowledge of algorithms. Knowledge of project methods in development processes.

## Course literature

Contact the department for further information

## Examination

- PRO1 - Project, 7.5 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

Passed project work (PRO1; 7,5 cr.), credit rate A-F.

## 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.