IV101X Degree Project in Computer and Systems Sciences, First Cycle 15.0 credits

Examensarbete inom data- och systemvetenskap, grundnivå

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

Establishment

Course syllabus for IV101X valid from Spring 2009

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

The student should:

- be able to apply the relevant knowledge and skills, which are acquired within the technical/main area, to a well defined problem

- within given constraints, independently analyze and discuss non-trivial inquiries/problems and handle larger problems on the basic level within the technical/main area

- reflect on, evaluate, and critically assess one's own and others' results

- be able to document and present one's own work, for a given target group, with requirements on structure, format, and language usage.

- be able to identify one's need for further knowledge and continuously develop one's own competencies

Course contents

The degree project should deal with an interesting problem within the subject area. The problem may be given and defined before hand. In order for a task to be accepted as degree project, there has to be interesting problems within the subject area to investigate. The work should rest on scientific methodology and should encompass elements of investigations and analysis. The work may include elements of implementation but this should be of subordinate importance and the aim of it should mainly be to verify developed models and theories and be an application of chosen methodology. There are no requirements that the degree project should result in a finished product. The extent of the project should be such that it is clear that the student has performed at least two and a half effective working months.

It is included in the project work to make a careful specification and time plan for the task and to seek and digest relevant literature for the degree project to be accounted for in a prestudy. The work is presented in a written report and in a public oral presentation.

The degree project if normally carried out individually. It may also be done in pair with another student. If the degree project is done in pair with another student it is important that, if possible, each student's contribution clearly can be separated in order to be able to make a fair grading.

Disposition

The degree project is to be conducted in accordance with the work plan that the student/s and the supervisor have agreed upon.

Examination

- XUP4 - Presentation and Opposition, 1.0 credits, grading scale: P, F

- XUP3 - Written Report, 2.0 credits, grading scale: P, F
- XUP5 - Thesis Project, 15.0 credits, grading scale: A, B, C, D, E, FX, F
- XUP2 - Accomplishment, 8.0 credits, grading scale: P, F
- XUP1 - Pre-study, 4.0 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.

If the course is discontinued, students may request to be examined during the following two academic years.

The course is normally reported as a sequence of elements according to the following:

- Prestudy, 4 HEC (P/F)
- Accomplishment, 8 HEC (P/F)
- Written report, 2 hp (P/F)
- Presentation and Opposition, 1 HEC (P/F)

After the last step, the grading scale A-F is used in order to set grade the whole course.

The degree project can, in special cases, be reported as one element of 15 HEC (A-F).

Other requirements for final grade

The final grade (A-F) is set after an overall impression according the KTH-wide assessment criteria: Process, Engineering-related and scientific content, and 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.