



Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

1DV42E Datavetenskap, självständigt arbete (högskoleexamen), 15
högskolepoäng

Computer Science, Independent Project (University Diploma), 15
credits

Main field of study

Computer Science

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1E

Date of Ratification

Approved by the Board of the School of Computer Science, Physics and Mathematics
2012-08-17

The course syllabus is valid from spring semester 2013

Prerequisites

At least 75 credits within the field of computer science/Computer Engineering or
equivalent.

Objectives

After the thesis, the student should be able to:

- use their knowledge acquired during their studies to individually or in group plan, implement and account for a development task in the computer science field
- formulate a well-defined Computer Science development issue
- assimilate the contents of the relevant literature in the field and put their work in this context
- describe different scientific approaches and concepts
- identify and describe the research process in its various parts
- gather and critically interpret for the problem area relevant information
- analyze the results of their work
- express themselves orally and in writing in a professional manner
- critically examine and discuss a thesis orally and in writing

Content

Independent project includes theoretical, practical and experimental activities and report

writing.

Type of Instruction

The work is conducted as an independent project with literature studies, fact finding and practical development.

Supervisor is appointed by both the department and, where appropriate, from participating companies.

Students will oppose each other's essays and should be able to defend their own work before the examiner and supervisor.

In which language the thesis is presented (oral and written) is determined by examiner in conjunction with the supervisor.

Examination

The course is assessed with the grades U,3,4 or 5.

To pass the course the student is required to have:

- completed their independent project in a positive way
- written report using the report template given
- conducted an oral presentation of the essay
- presented and defended the practical development task
- oral opposition of other students' work

Grades are given after the paper is presented orally and in writing and the practical development of the task presented and defended orally.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Re examination is offered under the regular semester periods. The number of examinations are limited to five times.

Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material

Necessary literature is chosen by the student in consultation with the supervisor.