DIT350   FoCAL project, 7.5 higher education credits

FoCAL project, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by The IT Faculty Board on 2009-09-18 and was last revised on 2009-09-18 to be valid from 2010-01-18.

Field of education: Science 100%

Department: Computer Science and Engineering

Position in the educational system

The course is a part of the Computer Science Master's programme and an elective course at the University at Gothenburg.

The level for the course in relation to degree requirements is a master degree, code A1F. The course has a bachelor degree as entry requirement.

The course can be part of the following programmes: 1) Computer Science, Master's Programme (N2COS), 2) Computer Science, Bachelor´s Programme (N1COS) and 3) No translation available (NDATM)

Main field of studies	*Specialization*
Computer Science-Algorithms and Logic	A1F, Second cycle, has second-cycle course/s as entry requirements

Entry requirements

To be eligible for the course

students should have successfully completed a bachelor degree within the subject Computer Science or equivalent. Specifically, the courses DIT230 Programming Languages and DIT201 Logic in computer science are required.

Learning outcomes

Learning outcomes are more general, as many details depend on the subject:

After completing the course the student is expected to be able to:

- experience the work on a more complex task which has a clear goal but no pre-defined result (unlike usual course exercises) and can even require integration of knowledge from disparate fields (for example: Optimization methods applied to a Machine Learning problem)
- apply and strengthen the skills in problem recognition, modeling, adaptation of textbook methods, independent literature investigation, implementation, use of software packages, testing, drawing conclusions, etc.
- plan the steps of a complex project, set up intermediate goals and keep the project running, come to realistic estimates of resources and achievable results, revise goals and develop work-arounds if necessary
- communicate efficiently and present results clearly, document the work in such a way that others can build on it later.

Course content

In this course the students will carry out a project in Foundations of Computing. The subject can be chosen freely by the students themselves or by potential supervisors, but it has to belong to the area of the Master's programme.

Form of teaching

Language of instruction: English
The course is held in English.

Assessment

The course is examined by a final project. A student who has failed a test twice has the right to change examiner, unless weighty argument can be adduced. A written application should be sent to the Department.

Grades

The grading scale comprises: Fail, Pass, Pass with distinction.

Course evaluation

The course is evaluated through meetings both during and after the course between teachers and student representatives. Further, an anonymous questionnaire can be used to ensure written information. The outcome of the evaluations serves to improve the course by indicating which parts could be added, improved, changed or removed.

Additional information

The Board of the IT Faculty.