



# GÖTEBORGS UNIVERSITET

IT-FAKULTETSNÄMNDEN

## **DIT575, Research-oriented special course, 7,5 högskolepoäng**

Research-oriented special course, 7.5 higher education credits

*Avancerad nivå/Second Cycle*

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### **1. Fastställande**

Kursplanen är fastställd av IT-fakultetsnämnden 2010-10-01 att gälla från och med 2011-01-17.

*Utbildningsområde:* Naturvetenskapligt 100 %

*Ansvarig institution:* Data- och informationsteknik

### **2. Inplacering**

This course is a single subject course primarily intended for students who want to read research-oriented courses at doctoral education level.

*Huvudområde*

Datavetenskap

*Fördjupning*

A1F, Avancerad nivå, har kurs/er på avancerad nivå som förkunskapskrav

### **3. Förkunskapskrav**

The student shall have completed at least four years of study in the area of computer science and engineering. A mandatory prerequisite to take this course is that you have established a contact between yourself and the examiner of the course. It is up to the examiner to decide whether you are accepted or not to the course.

### **4. Innehåll**

Students will study a restricted set of research-oriented topics (theoretical or applied) of relevance to computer science and engineering, either independently or in collaboration with other students. The main outcome, and main basis for the grading, is either an oral presentation (given in English) or a written report (written in English), demonstrating the students gained knowledge, skills and judgment in the selected areas of relevance to computer science and engineering.

### **5. Mål**

*1. Knowledge and understanding*

- Master the terminology, concepts and theories associated with the selected areas of computer science and engineering.

## 2. *Skills and abilities*

- Formulate purpose statements and research questions in the selected areas of computer science and engineering;

## 3. *Judgement and approach*

- Search for, and extract, necessary information from scientific publications in the selected areas of relevance to computer science and engineering, with the purpose of identifying strengths and weaknesses of existing solutions, approaches and methodologies.

## 6. **Litteratur**

Required reading is defined by the selected areas of computer science and engineering.

## 7. **Former för bedömning**

Depending of the selected topics the student is evaluated through either an oral presentation *or* a written report (7.5hecs). Whether to evaluate by means of an oral presentation or a written report is largely determined by the chosen aspect of the topic studied. More inventive aspects of a topic (performing theoretical analysis or laboratory experiments) are typically examined by means of a written report, while more general aspects of a topic (performing surveys and comparing competing methods) are typically examined by means of an oral presentation.

A student who has failed a test twice has the right to change examiners, if it is possible. A written application should be sent to the Department.

The number of examinations and placements are limited to five occasions and the number of placements is to be limited to two occasions.

In cases where a course has been discontinued or major changes have been made a student should be guaranteed at least three examination occasions (including the ordinary examination occasion) during a time of at least one year from the last time the course was given.

## 8. **Betyg**

Betygsskalan omfattar betygsgraderna Underkänd (U), Godkänd (G), Väl godkänd (VG).

The grading scale comprises Fail, (U), Pass (G) and Pass with Distinction (VG). Granting a Pass with distinction requires approval of a second teacher entitled to be thesis examiner.

Regarding the application of ECTS scales, please see Vice-Chancellors decision 2007-05-28, dnr G 8 1976/07.

## 9. **Kursvärdering**

After completion of the course the students are to be given the possibility of participating in course anonymously. The processed results of the course evaluations are to be made accessible to students and also made available to new students at the beginning of the next course. Possible changes brought about as a result of course evaluations to be described.

## 10. Övrigt

Undervisningsspråk: engelska.