



UNIVERSITY OF GOTHENBURG

THE IT FACULTY BOARD

DIT595, Industrial Best Practice, 7,5 higher education credits Industrial Best Practice, 7.5 högskolepoäng

First Cycle

1. Confirmation

The course syllabus was confirmed by The IT Faculty Board on 2010-09-22 to be valid from 2011-01-17.

Field of education: Science 100 %

Department: Computer Science and Engineering

2. Position in the educational system

The course is provided as part of the Software Engineering and Management Bachelor programme (180 higher education credits) during the third year of the program.

Main field of studies

Applied IT, Software Engineering and Management

Specialization

G2F, First Cycle, has at least 60 credits in first-cycle course/s as entry requirements

3. Entry requirements

The course is only accessible for students at the Software Engineering and Management programme. The program projects from term 1 to term 4 have to be successfully completed: DIT215 Project: Programming 15hec, DIT524 Project: Systems Development 15hec, DIT029 Project: Software Architecture for Distributed Systems 15hec, DIT168 Project: Industrial IT& Embedded Systems 15hec.

4. Course content

In this course the students are responsible to define a task and contact a company within the software engineering domain in which the investigation of this task is relevant. The task should be relevant not only for the company but also for the students in their future profession as software engineers and hence fit in the scope of software engineering and management of software development projects.

The students may work individually or in groups of two or three students and the investigation of the task is documented in an individually written report. This course may be used as a preparation course for the bachelor thesis if that is in the advantage of the student(s). If so, the defined task and the chosen company can be similar to what is later more carefully investigated as part of the bachelor thesis project.

5. Learning outcomes

Knowledge and understanding

- comprehend industrial problems and identify academic research objectives that can solve practical problems
- define a task relevant to the software engineering domain
- describe current trends and challenges in the software development industry

Skills and abilities

- distinguish between academic research topics and industrial development problems
- plan for an investigation of this task within a software development company
- relate and report on academic findings and knowledge to an industrial audience

Judgement and approach

- investigate the task within a software development company, i.e. perform interviews with industry and academic contacts, arrange with company meetings/observations etc.
- report on the solution of the task to an academic audience

6. Literature

Required reading is supplied to students in the form of research articles. These will be supplied in electronic versions, i.e. will not be printed for the students.

7. Assessment

The course is examined by an individually written report.

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.

8. Grading scale

The grading scale comprises Fail (U), Pass (G), Pass with Distinction (VG).

The grade Pass with Distinction (VG), Pass (G) or Fail (U) is given after reviewing the written report.

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

9. Course evaluation

Students are to be given the possibility of participating in course evaluations 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 are to be described.

10. Additional information

Language of instruction: English.