DIT844   Project Management, 7.5 credits

Projektledning, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Computer Science and Engineering on 2014-02-18 and was last revised on 2017-06-16 to be valid from 2017-08-20, autumn semester of 2017.

Field of education: Science 100%
Department: Computer Science and Engineering

Position in the educational system

The course is a part of the Software Engineering and Management Master's Programme.

The course can be part of the following programmes: 1) Software Engineering and Management, Master´s Programme (N2SEM), 2) Software Engineering Master's Programme (N2SOM) and 3) Software Engineering and Management Master's Programme (N2SOF)

Main field of studies	*Specialization*
Software Engineering	AXX, Second cycle, in-depth level of the course cannot be classified

Entry requirements

To be eligible for this course, the student must be admitted to the Master's programme in Software Engineering.

Learning outcomes

After completing the course, a student will be able to

Knowledge and understanding

- Describe basic project management concepts and tools

Skills and abilities
- Apply project management theories to analyze the specific characteristics of industrial projects and based on this suggest appropriate ways to manage the projects
- Structure and organize simple projects

Judgement and approach
- Frame, analyze and solve managerial problems in project settings using appropriate literature
- Use literature to critically evaluate project management models

Course content
The course is about managing projects. This means that the course contains general knowledge on project management and reflects such knowledge in contingences occurring when dealing with projects in technology-based firms. The following themes could be identified in the course's subject area:
- Organizing projects and organizational characteristics
- Project leadership and learning
- Project planning and control

The course consists of two parts (Project Management Basics and Mastering Project Management)

Part one: The Project Management Basics
This part is aimed at a general understanding of project management. You will be provided with insight of the prevailing vocabulary and perspectives of the project management movement profession, and this is core to the second part of the course. The Project Management Basics consists of serveral intense lectures in the first reading weeks of the course, followed by a two-hour test. A re-test also is scheduled for the Exam week in the current study period.

Part two: Mastering Project Management
The teaching of Mastering Project Management consists of lectures and four thematic cases. This part aims at providing you with an increased understanding of what mechanisms keep mankind from perfecting project management. In order to achieve this, Mastering Project
Management includes theories from different research disciplines outside of project management such as organization theory, leadership research, organizational politics, contract theory and organizational learning.

Form of teaching

Language of instruction: English

Assessment
It is mandatory to participate in the case seminars and meet the deadlines for hand-ins. The course is examined by project management basics test, case seminar hand-ins and an individual written home exam.

A student who has failed two examinations on the same material has the right to request a change of examiner. Such a request must be submitted to the Department in writing and shall be granted unless there are particular reasons not to do so.

In cases where a course has been discontinued or has undergone major changes, students must be guaranteed at least three examination opportunities (including the regular opportunity) based on the previous content of the course for a period of at least one year.

Grades
The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).
The three examinations, Basic Test, Case hand-ins and Home Exam, are assigned the weights 20%, 40%, and 40%, of the course overall.

To pass the course (G) the following is required: participation in the compulsory activities and the grade G on the Project Management Basics Test, on the Case Seminar hand-ins and on the Home Exam. I.e. 40% of the total amount of points must be passed. Failing to meet the mandatory deadlines may influence overall markings. To pass the course with Distinction (VG) the student must get 80% of the total amount of points.

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

Additional information

The course is a joint course together with Chalmers.