



Course syllabus

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

1IK212 IT i lärande och samverkan, 7,5 högskolepoäng
IT in group and individual learning in organizations, 7.5 credits

Main field of study

Information Systems

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by Organisational Committee 2009-12-01

The course syllabus is valid from autumn semester 2010

Prerequisites

The course Communication, Coordination and Collaboration, 7,5 hp (1IK202)

Expected learning outcomes

The course will emphasis the learning in organization.

After completion the student will:

- understand what opportunities modern technology can provide for learning, programs and equipment
- be able to use IT in the interaction between people and between organizations and activities
- be able to describe the standards and recommendations within this area
- able to account for more efficient workflow of activities using IT
- be able to optimize the time and resources in the project, and the coordination, planning and monitoring of the project
- have an understanding of the importance of electronic media for the efficient and productive interaction in organizations and activities

Content

The course covers:

- platforms and their compatibility and user interface.
- computer and network communications amplifiers (email, chat, virtual communities, various communication channels).
- the computer as a cognitive enhancer (concept maps, visualization, communities of

learning).

-social applications of the so-called Web 2.0, Web journals, wikis, podcasts.

-system Interoperability between different systems and organizations for more efficient workflows (WF)

-WCF, BizTalk, SharePoint.

-advancement of Project Management and Administration by studying:

- projects as phenomenon and structure
- planing / management / leadership of projekt
- risk management of projects
- to work in IT projects
- metoder and verktyg

-hands on exercises and assignments with the relevant program that provides insight into effective and enjoyable computer use (concept maps for knowledge, dispositions).

-work in their own projects finishing learning process and interaction.

Type of Instruction

The teaching will consist of lectures, lessons and tutoring for the required assignments.

The mandatory laboratory and / or projects can be solved individually or in groups.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

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.

Assessments of students' performance is made through written and/or oral exams and/or presentations of mandatory assignments. Type of assessment used in the course will be decided on at the beginning of the course.

Students who do not pass the regular examination are given the opportunity to do a reexamination shortly after the regular examination.

Course Evaluation

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

Other

Students who receive a passing grade in the course may download a course certificate through the Student Portal. Otherwise they may request a course certificate from the school secretary.

Required Reading and Additional Study Material

Required reading

Jansson, T. & Ljung, L., *Projektledningsmetodik* Studentlitteratur, 2004. 431 (431) pages.

Larsson, M., *Elektroniska artiklar och internetmaterial*. 150 (150) pages.

Lärkraft: om forskning kring datorstött lärande, Stiftelsen för kunskaps- och kompetensutveckling, 2002.

DFM, *Distributed material*, Linneaus University, current year. 150 pages.

Supplementary reading

Andersen, E.S., m.fl., *Målinriktad projektstyrning*, Studentlitteratur, 2009.

Bettina, S.T., *Communication Technology Enabled Know-ledge Organizations*,

Palgrave Macmillan , 2000.

Heath, C. & Luff, P., *Technology in Action*, Cambridge University Press, 2000.