Linnæus University

Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

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

Main field of study
Informatics

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
G1F

Date of Ratification
Approved 2009-12-01
Revised 2012-08-17 by School of Computer Science, Physics and Mathematics.
Objectives are revised.
The course syllabus is valid from autumn semester 2011

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

Objectives
The emphasis in this course is on project management.
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.
-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 assigments 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 course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of 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.

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

Supplementary reading

Stefan Görling, *Att arbeta med IT-projekt*, 2009

James Cadle and Donald Yeates, *Project Management for Information Systems*, Fifth edition, 2008

Bettina, S.T., *Communication Technology Enabled Know-ledge Organizations*, Palgrave Macmillan , 2000.