



Course syllabus

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

1IK204 Systemanalys, 7,5 högskolepoäng
System Analysis, 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 the Board of the School of Computer Science, Physics and Mathematics
2009-09-08

Revised 2011-08-20. Revision made for the prerequisites, literature list and course evaluation.

The course syllabus is valid from spring semester 2012

Prerequisites

Business Analysis (1IK021), 7.5 credits or equivalent.

Objectives

Upon completion of the course, the student should be able to:

- describe different types of approaches for information systems development
- show the ability to assimilate, analyze and apply information systems approaches based on different situations
- account for and apply fundamental concepts in the information systems area
- problematize the system engineers professional role as a consultant in systems development projects

Content

The course gives an overview of the area information systems, analysis and systems theory. The course contains:

- types of information systems development approaches
- various schools of methods for information systems analysis
- application of basic systems concepts
- technologies to implement systems analysis, especially in the information systems

- area
- tools to support the information systems analysis
- different perspectives on professional roles in systems development projects

Type of Instruction

The course consists of lectures, seminars, and exercises. Exercises are performed as independent or group work. Participation in some parts of the course is mandatory.

Examination

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

Written and/or oral examinations and/or mandatory assignments. Main form of examination is determined at course start.

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.

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.

Required Reading and Additional Study Material

Required reading

Avison, D.& Fitzgerald, G., *Information Systems Development*, McGraw-Hill, 2006, 4th edition. Pages 500 (645).

Compendium, Linnaeus University, current year. Pages 100.