



## Course syllabus

Faculty of Technology  
Department of Informatics

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 2009-09-08  
Revised 2016-11-02 by Faculty of Technology. Prerequisites are revised.  
The course syllabus is valid from spring semester 2017

**Prerequisites**  
Business Analysis (1IK031), 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.