



## Course syllabus

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

1IK205 Integration av teknik och verksamhet, 7,5 högskolepoäng  
Integration of Technology and Business, 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 by the Board of the School of Computer Science, Physics and Mathematics  
2009-12-15

Revised 2010-10-22. Revision of the prerequisites and course evaluation.

The course syllabus is valid from autumn semester 2011

**Prerequisites**

Introduction to Informatics (1IK001) 7.5 credits or equivalent.

### Expected learning outcomes

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

- present different socio-technological theories and models
- apply models for analyzing the connection between technology, man and enterprise
- describe the problems and conditions that exist concerning implementation of IS/IT into organizations
- give an account of the effect of IS/IT on work situations and the general context of an enterprise.

## Content

The course intends to impart the students with knowledge of socio-technological design and implementation of IS/IT in enterprise and organizations.

The course also intends to impart an understanding of the conditions and problems that may occur during interaction between man and IS/IT, as well as provide insight into the different disciplines upon which the modern view of business-oriented systems development is based.

The course consists of the following topics:

- a presentation of socio-technological theories and models.
- examination of the conditions, problems and effects present at the implementation of IS/IT in organizations.
- exercises in analyzing the connection between technology, man and enterprise during the design and implementation of IS/IT.

## Type of Instruction

The course consists of lectures, presentations and assignments.

The assignments are conducted on an individual basis or in groups. Participation in certain parts of the course is mandatory.

## Examination

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

Upon request the student can receive the grade according to the ECTS-scale. This type of request must have reached the examiner before the grading process commences.

Assessment of the students' performance is made through written and/or oral exams, and/or presentation of the mandatory assignments. The types of assessment used in the course will be decided on at the beginning of the course.

Students who do not pass the regular examination is given the opportunity to do a re-examination 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

Upon request, a Swedish University degree will be issued upon successful completion of the full demands for that degree.

Upon request, a Swedish University course certificate will be issued upon successful completion of the course.

## Required Reading and Additional Study Material

### Required reading

Boddy, D., Boonstra, A., & Kennedy, G, *Managing Information Systems: Strategy and Organisation*, 3rd, Prentice Hall, 2008. Pages 290 (310).

DFM/Informatics, *Compendium*, Linnaeus University. Pages 100 (100).