



## Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1IL028 Informationsteknisk översikt, 7 högskolepoäng

1IL028 Information technology overview, 7 credits

### **Main field of study**

Informatics

### **Subject Group**

Informatics/Computer and Systems Sciences

### **Level of classification**

First Level

### **Progression**

G1N

### **Date of Ratification**

Approved by Organisational Committee 2009-12-15

The course syllabus is valid from autumn semester 2010

### **Prerequisites**

General entry requirements for university studies.

## Objectives

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

-to use IT to support decision in business

- marketing and sales
- Human Resource Management
- handle assets management

-to see the effects of IT in business

-present the different technical principles for systems integration

-present E-commerce and Supply Chain Systems

-describe how integration of different system can be done

-give an account for the handling of information exchange between different systems within and outside the business

## Content

The course constitutes of the following theoretical and /or practical elements:

- the business
- the basics for decision support
- hardware and software
- the basics of computer networks
- the basics in database and processes
- the basics of EDI and XML
- the terminology regarding integration
- systems integration and the different levels.

## Type of Instruction

Teaching methods consist of lectures, exercises and supervision for the mandatory assignments. The mandatory assignments can be carried out individually or in groups.

## Examination

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

Assessments of student performance is made through written and/or oral exams and/or presentation of mandatory assignments. The type of assessment used in the course will be decided on at the beginning of the course.

## 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

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

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

Kroenke, David. M. (2009), *Using MIS*. latest edition., Pearson International Edition. Harlow: Prentice Hall. 400 p.

### Recommended reading

Piot, Jon & Baschab, John (2007), *The Executive's Guide to Information Technology*. 2. ed. Hoboken: Wiley.

Plant, Robert & Murrell, Stephen (2007), *An Executive's Guide to Information Technology: principles, business models, and terminology*. 1. ed. Cambridge: Cambridge University Press.