

Perspectives on Information Technology

Programme course

8 credits

Perspektiv på informationsteknologi

TDDD39

Valid from: 2017 Spring semester

Determined by

Board of Studies for Computer Science
and Media Technology

Date determined

2017-01-25

Main field of study

Information Technology

Course level

First cycle

Advancement level

G1X

Course offered for

- Information Technology, M Sc in Engineering

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Intended learning outcomes

The aim of the course is that the students should get an overview of information technology, and to introduce pedagogical methods used during the studies. After the course the student will be able to:

- give examples of how information technology related to communication works, or how it affects the way people communicate
- orally present and explain some technical application or its use, and relate the construction to relevant courses within the program
- independently write a technical project report according to principles for scientific texts
- research and critically review relevant sources, using library resources, and use these sources correctly in own text
- participate constructively in group work
- summarize the theoretical foundation for problem based learning and relate to own learning

Course content

The following topics are covered during lectures and seminars:

- written and oral communication, the writing process, technical reports, technical language
- library knowledge and source handling
- problem based learning
- group dynamics

Teaching and working methods

The course is centered around a group project work. Also, a couple of vignettes are used to support own learning. Students work in groups and are assigned a project by the course leader. Oral and written communication is addressed during lectures and seminars. Communication skills are trained during mandatory sessions. IDA has the main responsibility for the course, and teachers from CMTS handles the communication part. Project work is supervised by teachers from one of these departments, or from ISY, IFM, MAI or IMT. The course runs the entire fall semester.

Examination

UPG5	Examination	1 credits	U, G
BAS1	Tutorial work	2 credits	U, G
UPG4	Project	2 credits	U, G
UPG3	Communication - presentation technique	1 credits	U, G
UPG2	Communication - written reports	1 credits	U, G
UPG1	Assignment - information retrieval	1 credits	U, G

Grades are given as 'Fail' or 'Pass'.

Grades

Two-grade scale, U, G

Department

Institutionen för datavetenskap

Director of Studies or equivalent

Peter Dalenius

Examiner

Ola Leifler

Education components

Preliminary scheduled hours: 64 h

Recommended self-study hours: 149 h

Course literature

Additional literature

Books

Merkel, Magnus, (2002) *Rapportskrivning. En lathund för studenter*. BOKAB

Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.