



Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1IK404 Kommunikation och kognition, 7,5 högskolepoäng

1IK404 Communication and Cognition, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved 2009-06-23

Revised 2010-08-20 by School of Computer Science, Physics and Mathematics.
Revision made for English translation of the syllabus, prerequisites and course evaluation.

The course syllabus is valid from spring semester 2011

Prerequisites

General entry requirements and English B, Mathematics B. (Field-specific entry requirements 4 with the exception of Mathematics C and Civics A).

Objectives

The course aims to give basic knowledge of human communication and cognition, as well as to teach the student how to adapt the technology for the users' needs. After completing the course the student should be able to describe:

- the history of the human communication
- different situations when communication is used
- basic processes of the human cognition
- how humans interact with technology.

Content

The course comprises following elements:

- The communication process

- The history of the human communication
- The speech, images, written communication, printing, ICT
- Non-verbal communication, semiotics, intercultural communication, group communication, organization communication
- Perception, memory, learning, awareness, problem solving, decision making
- Human-computer interaction.

Module 1 Seminars 3.5 credits

Seminars on communication and cognition.

Module 2 Home Exam 4 credits

The course grading is based on a written home examination that includes the main topics of the course.

Type of Instruction

The course can be studied at the campus or as a distance course; the course material is disseminated by using Internet. The campus course consists of web-based material, lectures, seminars and presentations. The distance course consists of web-based material, tuition on MSN or Skype as well as mandatory seminar assignments.

Examination

The course is assessed with the grades U, 3, 4 or 5.

Assessment of the student's performance is made through presentations, seminars and the home examination.

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.

Students who do not pass the regular examination are given the opportunity to do resit examination shortly after the regular examination. The maximum number of examinations is restricted to five.

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

Hård af Segerstad, Peder (2002) *Kommunikation och information – en bok om människans förmåga att tänka, tala och förstå*. Uppsala Publishing house. ISBN 91-7005-203-4

Westerholm, Adam & Åström, Mattias (2002) *En kognitionsvetenskaplig introduktion till Människa-maskininteraktion*. Studentlitteratur. ISBN 91-44-01773-1

The Required Reading and Additional Study Material are subject to changes.