



Course syllabus

Faculty of Technology

Department of Informatics

5IK502 Aktuella frågor inom IS forskning och utveckling, 7,5
högskolepoäng

Contemporary issues in IS research and development, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

Second Level

Progression

A1F

Date of Ratification

Approved 2016-03-21

Revised 2017-03-03 by Faculty of Technology.

The course syllabus is valid from autumn semester 2017

Prerequisites

General entry requirements for second cycle studies and specific entry requirements:

- English B/6 or the equivalent.

Objectives

Knowledge and understanding - after completing the course students should be able to:

- describe and explain different trends in the developments of Informatics as research area
- describe how different theories, methods and techniques are used in Informatics research
- analyze, account for and reflect on how information technology in general affects people's lives on a social, organizational and individual level

Skills and abilities - after completing the course students should be able to:

- carry out information and literature searches both in scientific literature and in daily newspapers relevant to research in Informatics
- organize and explain results of the above information and literature search
- present and discuss own work in relation to existing knowledge in Informatics

Evaluation ability and attitude - after completing the course students should be able to:

- describe, analyze and constructively reflect on Informatics role in social and societal development
- describe, analyze and reflect on own and other students' work related to Informatics research

Content

The course focuses on current problem areas in Informatics and how different theories, approaches, methods and techniques can be used based on a scientific approach.

Course content:

- literature within Informatics research tradition
- research problems in Scientific journals related to Informatics
- Informatics problems in the daily and specialist press
- relation between research problems and problems of practice
- search and review of literature in Informatics

Type of Instruction

Teaching consists of lectures, tutorials and seminars.

Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

Assessment of student performance is done by:

- 1) a written and oral presentation of current research problems in Informatics and the relation between research problems and problems of practice
- 2) a written and oral opposition of another student's work.
- 3) participation in seminars

The different assessments are weighted as follows

1. 50% (written and oral presentation)
2. 30% (written and oral opposition) and
3. 20% (participation in seminars)

To obtain least grade E the student must receive E on all the different assessment methods.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Other

Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

Required Reading and Additional Study Material

Informatics Compendium and digital material from Linnaeus University, about 300 pages, chosen in consultation with the teacher and the examiner.