



## Course syllabus

Faculty of Technology

Department of Informatics

4IK50E Examensarbete i informatik på magisternivå, inriktning informationssystem, 15 högskolepoäng

4IK50E Degree project in Informatics at Master Level, specialization in Information Systems, 15 credits

### **Main field of study**

Informatics

### **Subject Group**

Informatics/Computer and Systems Sciences

### **Level of classification**

Second Level

### **Progression**

A1E

### **Date of Ratification**

Approved 2015-05-22

Revised 2023-11-28 by Faculty of Technology. Prerequisites are revised.

The course syllabus is valid from autumn semester 2024

### **Prerequisites**

General requirements for studies at advanced level and minimum 22,5 credits within the subject area Informatics at advanced level, or 15 credits informatics and 7,5 credits in another subject at advanced level. In both alternatives these credits must include 4IK524 Information Systems Methodology 7,5 credits, or equivalent.

## Objectives

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

- Formulate and delimit a relevant research problems including research question(s)
- Identify and refer to previous research and theories
- Elucidate, choose and justify relevant research methods
- Plan and conduct an empirical study by using the chosen methods, and show awareness of ethical aspects
- Analyze empirical data and relate to the chosen method, theory and problem area
- Present and discuss the work as well as its knowledge base, both in writing and orally

- Conduct a critical evaluation of the own work and previous research, based on scientific, social and ethical aspects.

## Content

The course comprises:

- Formulation of the research area in a Research Proposal
- Identification and review of appropriate research literature
- Data collection and analysis
- Writing a report
- Review and oral opposition of other students' work during the entire process
- Oral presentation of other students' work including oral and written opposition

## Type of Instruction

The course consists of independent work, either individually or in groups of maximum two persons. This work is supported by lectures, tutoring and seminars. If the project is carried out in a group, each participant must be able to account for his/hers individual contribution.

## 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 the student's performance is made through written examination and presentation of compulsory assignments.

The assessment method is decided at the start of the course.

Students who do not pass the regular examination are given the opportunity to a new examination shortly after the regular examination.

The degree project shall be completed within two years from the start of the course. If the degree project is not completed within two years it is required that the examiner approves the problem/focus on the degree project. The number of examinations is limited to five times

## 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.

## Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 4IK10E Degree project in Informatics at Master Level, specialization in Information Systems

## 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

### Required reading

Relevant course literature is selected in consultation with the tutor and the lecturer in charge of the course.

### Reference literature

Creswell, John W. (2008). *Research Design Qualitative, Quantitative, and Mixed Methods Approaches*, 3rd Ed. Sage Publications. ISBN 9781412965576 s. 296.

Hart, Christopher (2004). *Doing Your Masters Dissertation. Realizing your potential as a social scientist*. Sage Publications Ltd. ISBN 9780761942177. s. 496.

Hart, Christopher (2001). *Doing a Literature Search. A Comprehensive Guide for the Social Sciences*. Sage Publications Ltd. ISBN 9780761968108. s. 194.

Jacobsen, Dag Ingvar (2002). *Vad, hur och varför? Om metodval i företagsekonomi och andra samhällsvetenskapliga ämnen*. Lund: Studentlitteratur AB. ISBN 9789144040967. s.503

Nyberg, R. (2000). *Skriv vetenskapliga uppsatser och avhandlingar med stöd av IT och Internet*. Lund: Studentlitteratur AB. ISBN 9789144010007. s. 254.

Paulsson, U. & Björklund M. (2003). *Seminarieboken*. Lund: Studentlitteratur AB, ISBN 914404125X. s. 138.

Trost, J. (2002). *Att vara opponert*. Lund: Studentlitteratur AB. ISBN 9144024673. s. 85.