



Course syllabus

Faculty of Technology

Department of Informatics

5IK10E Examensarbete i informatik på masternivå, 30 högskolepoäng

Degree Project in Informatics at Master level, 30 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

Second Level

Progression

A2E

Date of Ratification

Approved by Faculty of Technology 2013-09-11

The course syllabus is valid from spring semester 2014

Prerequisites

General requirements for studies at advanced level and minimum 60 credits within the subject area Informatics at advanced level. These credits must include 4IK024 Information Systems Methodology, 7,5 credits, and one of the following courses 5IK014 History and Philosophy of Science 7,5 credits and 5IK004 Systems Thinking 7,5 credits - or equivalent.

Objectives

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

- Formulate and delimit a topical research problem including relevant research questions
- Identify and analyze previous research and topical theories
- Make a critical appraisal of relevant research methods
- Apply adequate methods for literature review, data gathering and analysis and include ethical awareness within this process
- Critically analyze the entire thesis work
- Present and discuss the work, both in writing and orally, and theorize by using a critical and systematic integration of the obtained knowledge
- Conduct a critical evaluation and reflection of the own work and previous research, based on scientific, social and ethical aspects, both in national and international context.

Content

The course comprises:

- Formulation and discussion of research problems in a Research Proposal
- Identification and review of appropriate research literature
- Data collection and analysis
- Writing a report
- Oral presentation and constructive critique of other students' work during the entire process
- Oral presentation and 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 Fail (U), Pass (G) or Pass with Distinction (VG).

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.

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.

Course Evaluation

A course evaluation will be carried out and compiled after the course is completed. The compilation will be presented to the current board as well as to the students and filed by the coordinating department.

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 opponent. Lund: Studentlitteratur AB. ISBN 9144024673. s. 85.