Linnæus University

Jnr: 2015/1598–3.1.2

Course syllabus

Faculty of Technology
Department of Informatics

5IK50E Examensarbete i informatik på masternivå, 30 högskolepoäng
Degree Project in Informatics at Master level, 30 credits

Main field of study
Information Systems

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
Second Level

Progression
A2E

Date of Ratification
Approved by Faculty of Technology 2015-05-22
The course syllabus is valid from spring semester 2016

Prerequisites
General requirements for studies at advanced level. And minimum 60 credits within the subject area Informatics at advanced level or 30 credits informatics and 30 credits in other subject at advanced level. In both alternatives this 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 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.

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
This course cannot be part of a degree in combination with another course in which the content fully or partly correspond to the content of this course: 5IK10E Degree Project in Informatics at Master level, 30 credits

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