Blekinge Institute of Technology
Department of Computer Science

COURSE SYLLABUS

Masterarbete i datavetenskap

Master's Thesis (120 credits) in Computer Science

30 ECTS credit points (30 högskolepoäng)

Course code: DV2572
Educational level: Second cycle
Course level: A2E
Field of education: Technology
Subject group: Computer Technology

Subject area: Computer Science
Version: 6
Applies from: 2016-10-01
Approved: 2016-10-01

1 Course title and credit points
The course is titled Master's Thesis (120 credits) in Computer Science/Masterarbete i datavetenskap and awards 30 ECTS credits. One credit point (högskolepoäng) corresponds to one credit point in the European Credit Transfer System (ECTS).

2 Decision and approval
This course is established by 2016-08-30. The course syllabus was revised by Dean and applies from 2016-10-01.
Reg.no: BTH-4.1.1-0411-2016.

3 Objectives
The aim of the course is to enable students to practise their ability to define, plan, execute and report an independent research study. The students are expected to apply knowledge previously acquired on the programme in order to specialise in one or more specific areas within the main field of computer science. The goal of the student is to report the results of their research study in speech and writing and to critically review and publicly discuss the degree project of another student. The report is to satisfy the requirements and criteria of academic papers.

4 Content
The course consists of four components:
1. Preliminary study and planning
2. Implementation of
a. research
b. supervision
c. written report
3. Oral presentation and defence
4. Critical review
a. written review
b. oral review
The preliminary study and planning involve drafting a project plan including a time plan for the project. During the implementation phase the student is to execute the project and provide documentation in the academic report in accordance with the time plan. During the oral presentation, the student is to defend their degree project. Each student is also to critically review another student's degree project.

5 Aims and learning outcomes

6 Learning and teaching
English

7 Assessment and grading
Examination of the course

Code	Module	Credit	Grade
1705	Report and implemenation[1]	26 ECTS	A-F
1715	Presentation/Defense	1 ECTS	G-U
1725	Project plan	2 ECTS	G-U
1735	Oppostition	1 ECTS	G-U

[1] Determines the final grade for the course, which will only be issued when all components have been approved.
The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.

8 Course evaluation
The course coordinator is responsible for systematically gathering feedback from the students in course evaluations and making sure that the results of these feed back into the development of the course.

9 Prerequisites
Admission to the course requires a minimum of 90 higher education credits in Computer Science, including at least 30 credits at the advanced level. In addition, students must have successfully completed a course in Research Methodology in Software Engineering and/or Computer Science for

7.5 credits.

10 Field of education and subject area
The course is part of the field of education and is included in the subject area Computer Science.

11 Restrictions regarding degree
The course cannot form part of a degree with another course, the content of which completely or partly corresponds with the contents of this course.

12 Course literature and other teaching material
Master's Thesis (120 credits) in Computer Science
Kurslitteratur Tillhandahålls av institutionen: Anvisningar för examensarbeten inom datavetenskap. Övrig kurslitteratur väljs individuellt av studenten i samråd med handledare. Referenslitteratur 1.Thesis Projects: A Guide for Students in Computer Science and Information Systems; 2nd Edition Författare: Mikael Berndtsson et al. Förlag: Springer Utgiven: 2007, Antal sidor: 162 ISBN-13: 978-1848000087 2. Experimentation in Software Engineering – An Introduction; 2nd Edition Författare: C. Wohlin, P. Runeson, M. Höst, M.C. Ohlsson, B. Regnell, A. Wesslén Förlag: Springer Verlag Utgiven: 2012, Antal sidor: 250 ISBN-13: 978-36422
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