

# Syllabus

for course at advanced level

**Master's Thesis in Computer and Systems Sciences**

**Examensarbete i data- och systemvetenskap på masternivå**

**30.0 Higher Education**

**Credits**

**30.0 ECTS credits**

<b>Course code:</b>	ML030F
<b>Valid from:</b>	Autumn 2019
<b>Date of approval:</b>	2015-06-04
<b>Changed:</b>	2019-04-11
<b>Department</b>	Department of Computer and Systems Sciences
<b>Main field:</b>	Computer and Systems Sciences
<b>Specialisation:</b>	A2E - Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

## Decision

This syllabus has been approved by the head of the department 2015-06-04.

This syllabus was last updated 2019-04-11.

## Prerequisites and special admittance requirements

70 credits within a DSV master's program, of which at least 15 credits in scientific methodology, e.g. the courses

ML301C Scientific Communication and Research Methodology 7.5 credits

ML304C Research Methodology for Computer and Systems Sciences 7.5 credits

## Course structure

Examination code	Name	Higher Education Credits
MX3E	Graduation Work	18
MX3P	Problem and Methods	12

## Course content

The student carries out a research project alone or in a group of two students.

## Learning outcomes

After completing the course, a student is expected to:

- be able to search, find and summarize relevant scientific literature,
- understand and apply correct ways of referencing and quoting from relevant scientific texts,
- be able to analyze, contrast, compare and critique relevant scientific literature,
- be able to independently carry out research work,
- be able to write and defend a report,
- be able to discuss, select, apply and use relevant scientific methods and tools,
- be able to prepare and carry out a short oral presentation of one's own research,
- be able to write a short written account of it own research,
- be able to reflect on their work,
- be able to discuss future research.

## Education

The student is entitled to at least 25 hours of supervision, of which contact time individually or in groups is at

least 10 hours. Please note that the time a supervisor spends reading different versions of the work is included in this supervision time.

The student is entitled to at least four meetings with his / her supervisor.

It is not allowed to change supervisor during the course, the student may apply for a new supervisor the next time the course is given.

### **Forms of examination**

a. The course is examined through written presentation and oral presentation.

b. Grading of the course takes place according to a seven-point goal-related grading scale:

A = Excellent

B = Very good

C = Good

D = Satisfactory

E = Sufficient

Fx = Insufficient

F = Completely Insufficient

c. The course grading criteria are announced at the start of the course.

d. To obtain a final grade for the entire course, a minimum grade of E is required for all modules / partial examinations.

e. In other respects, students who:

- received at least the grade E on an examination may not take a re-examination for higher grades.

- without a passed result has passed one and the same test twice by the same examiner has the right to have another examiner appointed, unless there are special reasons to the contrary.

f. When assessing the degree project, the following assessment criteria will be used: understanding of the submitted assignment, completion of the examination / theoretical assignment, knowledge of the theoretical background, interpretation and analysis of the results, independence, ability to keep the established schedule for the assignment, presentation - oral presentation, presentation - written presentation, opposition of other work.

g. The course must be completed by the end of the semester. If this is not the case, the student, together with the supervisor, draws up a plan for what is missing and needs to be fixed, as well as a deadline for this. If this plan is not followed, the student is not entitled to more supervision. The student can then complete the work himself and submit for assessment up to three times or alternatively apply to retake the course.

### **Interim**

When the course is no longer given or substantially changed, the following applies:

- uncompleted examinations are primarily replaced by other similar examinations according to a specially established remuneration plan

- in cases where remuneration can not be assigned, the student has the right to once per semester during a three-semester period, from and with the semester after the last course opportunity, be examined according to the course syllabus.

### **Limitations**

The course may not be included in the degree together with another course whose content fully or partially corresponds to the content of the course.

### **Required reading**

For current course literature, please refer to the department's website [www.dsv.su.se](http://www.dsv.su.se). Current course literature is available no later than two months before the start of the course.