



## Thesis for Master's (one year) Degree in Informatics

### Självständigt arbete för magisterexamen inom informatik

15 credits

---

**Ladok Code:** 22MI1D

**Version:** 1.0

**Established by:** The Teaching Committee 2012-03-14

**Valid from:** Spring 2012

**Education Cycle:** Second cycle

**Main Field of Study (Progressive Specialisation):** Informatics (A1E)

**Disciplinary Domain:** Natural sciences

**Prerequisites:** Passed course: Thesis for Bachelor's Degree in Informatics, 15 Credits

**Subject Area:** Informatics/Computer and Systems Sciences

**Grading Scale:** Fail (U), Pass (G) or Pass with Distinction (VG)

---

## Content

- Subject specification
- Planning reports
- Ontological aspects
- Epistemological aspects
- Methodological aspects
- Performance of a research study
- Written and oral presentation of the research
- Opposition on another groups work

The course starts with a seminar where the students present their ideas for the research task. This presentation is the basis for allocation of supervisors. The work continues with continuous supervising, in parallel with seminars where the students discuss ontological, epistemological and methodological aspects of their study. The research will be reported in a thesis, which will be presented at a seminar, where the thesis and the presentation is scrutinized by opposition from another group of students.

## Learning Outcomes

The overall goal for the course is for the students to develop their scientific skills and deepen their scientific maturity in such a way that they can carry out a scientific study and present a critical approach to both own as well as others research.

### *Knowledge and understanding*

After the course, students should be able to

- account for various scientific approaches
- discuss different research strategies
- participate in academic discussions on ontological, epistemological and methodological issues related to the informatics discipline

### *Skills and abilities*

After the course, students should be able to

- present very good arguments for the selection of a scientific approach, research strategy and scientific method
- independently perform a larger qualified knowledge development within the informatics discipline
- analyze own collected data
- reported a research study on its own
- critically review and assess scientific reports within the informatics discipline

### *Valuation ability and perspectives*

After the course, the students should be able to present a critical approach to both own as well as others research.

### **Forms of Teaching**

Seminars and supervising. The tuition is normally conducted in Swedish, but can be conducted in English, it is provided within the length of the course. Additionally supervision is provided after the course if resources are available. Literature is selected by the student based on the thesis purpose and in collaboration with the assigned tutor.

### **Forms of Examination**

The course is examined through the following mandatory elements:

- Active participation in the seminar discussions on the ontological, epistemological and methodological issues
- Written report of scientific work – thesis
- Presentation and defence of the thesis on an examination seminar
- The opposition on another groups thesis and presentation

The final grade for the course is set by a combination of performance on the written thesis and the oral presentation, and the completed opposition. The grade on full course will be based mainly on the thesis. In cases of doubt a good performance on other elements can raise the grade on a full course from Pass to Pass with distinction.

The student has the right to five examinations. An examination is defined as an opportunity for examination that is provided by the school as if the student had pursued the thesis work in normal course pace. Each year three opportunities for examination is provided.

Student rights and obligations at examination are according to guidelines and rules for the University of Borås.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

### **Literature and Other Teaching Materials**

Literature will be determined in consultation with the supervisor.

### **Student Influence and Evaluation**

The compilation is made public in accordance with the Schools regulations and will be the foundation for future course planning and is part of the program evaluation that is carried out.

### **Miscellaneous**

The course is offered as a part of the Master's (1-year) Degree in Informatics