



Faculty of Health, Science and Technology  
Geo-Science

# Syllabus

## Degree Project

**Course Code:** NGGC84

**Course Title:** Degree Project  
*Examensarbete för kandidatexamen i mät- och kartteknik*

**Credits:** 15

**Degree Level:** Undergraduate level

**Progressive** First cycle, has at least 60 credits in first-cycle course/s as entry  
**Specialisation:** requirements, contains degree proj. for B.A./B.Sc. (G2E)

**Major Field of Study:**  
MAT (Surveying and Mapping)

### Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2019-08-30, and is valid from the Spring semester 2020 at Karlstad University.

### Prerequisites

120 ECTS credits completed in the Surveying and Mapping Programme, or equivalent

### Learning Outcomes

The degree project is an opportunity for the students to apply and develop their theoretical knowledge in an independent project.

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

- demonstrate enhanced knowledge of theories, methods, and applications in the main area of study,
- identify a scientifically interesting area and problematise it,
- demonstrate the ability to plan and carry out an independent project in accordance with sound engineering practice,

- collect and process relevant information from different sources in the area of engineering, including research,
- write a report complying with standard academic structure and formal requirements with correct referencing,
- demonstrate the ability to present results and the knowledge and arguments on which they are based orally and in writing
- review and evaluate their own project and those of others adopting a critical approach and communicate the result in dialogue with others.

### **Content**

Instruction is in the form of supervision and seminars. The degree project is primarily expected to be carried out in conjunction with an external client, but this is not an absolute requirement. At the beginning of the course, students submit a plan specifying the design and process of the project for approval by the examiner. The project plan must include background, aim, research questions, bibliography, proposed method, and a time plan. An introductory literature review is carried out and presented in a seminar.

Students can choose to work alone or in pairs. If two students collaborate, individual contributions must be clearly stated. The degree project is an independent assignment and each student is responsible for the process and the result. Students are also responsible for planning and requesting supervision sessions. The number of supervision sessions is limited to five and supervision is only provided for the course duration. Students who re-register at a later date are offered supervision subject to availability.

### **Reading List**

See separate document.

### **Examination**

Assessment is based on participation in a mandatory seminar, a project plan, a literature review, a written report discussed in a seminar, and peer review of another student's work.

Assessment is individual. If the examiner finds that a student does not reach the intended learning outcomes, the student may be allowed to submit a revised version of the degree project.

The number of examination opportunities is limited to five.

If students have a decision from Karlstad University entitling them to special pedagogical support due to a documented disability, the examiner has the right to give such students an adapted examination or to examine them in a different manner.

### **Grades**

One of the grades Pass with Distinction (5), Pass with Some Distinction (4), Pass (3), or Fail (U) is awarded in the examination of the course.

### **Quality Assurance**

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

### **Course Certificate**

A course certificate will be provided upon request.

### **Additional information**

The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the

obligations and rights of students and staff.

Students cannot claim the right to supervision when the course has ended.