



Faculty of Technology and Science
Construction Engineering

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Technology and Science on 21 April 2008, and is valid from the Spring semester of 2008 at Karlstad University.

Course Code: BYGC14

Degree Project, 22.5 ECTS Credits

(Examensarbete, 22.5 Swedish credit points)

Degree Level: Bachelor

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

Language of Instruction

Swedish

Prerequisites

At least 122.5 ECTS cr in the Building and Construction Engineering Programme.

Major Field of Study

BYA (Building Technology)

Learning Outcomes

A Degree project usually concludes a study programme. Students are given the opportunity to apply their knowledge to a big project, demonstrating knowledge, skills and ability to approach engineering in a professional way. The project is normally carried out in conjunction with a company.

During the course, the student should demonstrate ability to:

- define and formulate a problem so that it is soluble within a specified time limit and to make necessary delimitations,
- identify, acquire and assess the knowledge and information needed to solve the problem,
- choose the appropriate method for solving the problem,
- apply theoretical knowledge in practice to solve a problem,
- work independently, that is, conduct and control the project and take responsibility for completing it,
- receive and make constructive use of the opinions of the client/supervisor,
- present a result which meets the requirements of building standards and good quality
- reflect on the ways in which their solution contributes to sustainable development,
- present their work in a written report following given instructions, meeting demands of transparency, traceability, and repeatability, and logic structure and good command of language, and in general demonstrating sound field praxis,
- present their work orally in an accessible way for laymen and professionals,
- serve as an opponent to the work of a fellow-student, offering constructive criticism.

Content and Form of Instruction

The course is in the form of a project, individually or in a group of students. In cases where several students have collaborated on a big project, the individual contribution and area of responsibility should be clearly stated at the start of the project. The first part of the project consists of literature studies which are expected to result in a problem formulation and choice of method. This part of the course is presented at a mandatory seminar.

The second part of the course is the implementation. The completed degree project is presented orally and in the form of a written report. Students serve as opponents to the work of a fellow-student.

Topics are chosen in consultation with the examiner. Each student is assigned a supervisor on the basis of their research area. The students are responsible for keeping contact with their supervisors.

Reading List

See separate document.

Examination

Examination is based on seminar participation and oral and written presentations. Examination takes place at two mandatory seminar opportunities. The completed work is also presented in a written report, submitted according to local procedures.

The student is expected to submit an outline three weeks before the final presentation. The examiner decides in consultation with the supervisor if the work is ready to be presented. If the examiner decides that it is not near completion, there are two further opportunities to present in one year.

Grades

One of the grades U (Fail) or G (Pass) 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 assessment is based on student views and experiences as reported in written course evaluations and/or group discussions. Students will be informed of the result of the evaluation and of the measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional Information

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission. Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.