AF182X Degree Project in Hydraulic Engineering, First Cycle 15.0 credits

Examensarbete inom vattenbyggnad, grundnivå

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for AF182X valid from Spring 2016

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

A general condition is that a main part of the studies, at least 120 credits of which 60 credits with progressive specialisation for first-cycle studies within the main field of study, should be completed before the degree project may be started. It is the examiner that decide if the student has the specialisation that is intended and that the student completed the main part

of the studies before degree project is started. Exemption can after assessment be granted by the director of first and second cycle education.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completed degree project, the student should be able to

Show knowledge of the disciplinary foundation of the chosen subject area, applicable methods and orientation in current research and development as well as show advanced knowledge within some part of the subject area.

Demonstrate the ability to search, collect and use relevant information critically and identify the need for additional knowledge.

Demonstrate the ability to formulate, assess and handle problems and critically discuss phenomena, issues and situations.

Demonstrate the ability to plan, and with applicable methods, carry out assignments within given time frames.

After dialogue with different groups demonstrate the ability to orally and in writing account for and discuss information, problems and solutions.

Demonstrate the ability to exercise judgement considering relevant scientific, social and ethical aspects.

show a level of proficiency that is required to independently work within some part of the main technical field.

Demonstrate an understanding of the significance of a sustainable development within the subject area.

Course contents

The degree project should constitute a specialised study in the main field for first-cycle studies to satisfy the requirements for higher education qualification. The course is designed as a limited project of independent nature in hydraulic engineering.

Disposition

The course is conducted as a project and is performed individually or together with another student. The course is designed with organised supervision including controls during the course period.

Course literature

Relevant literature to be able to carry out the degree project.

Examination

- XUPP - Examination, 15.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

The degree project should normally be carried out under the last semester of the programme. To pass the degree project, the performance must not be unsatisfactory in any of the expected learning outcomes of the course.

Other requirements for final grade

An approved degree project report that has been presented at a seminar.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.