



KH138X Degree Project in Chemical Engineering and Tech- nology, First Cycle 15.0 credits

Examensarbete inom kemiteknik, 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 KH138X valid from Spring 2019

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

At least 140 credits completed in courses in the engineering programme in chemical engineering and passed in the advanced courses that are required for the degree project.

Language of instruction

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

Intended learning outcomes

After passing the course, the student should:

- show knowledge of the disciplinary foundation of the chosen subject area and best practices, knowledge of current research and development
- holistically, critically and systematically search, collect and integrate knowledge, and identify one's need for further knowledge
- formulate, assess and handle problems and critically discuss issues
- plan and carry out tasks within given time frames with suitable methods, and evaluate this work
- design and handle products, processes, methods, systems or technical solutions, taking into consideration the person's abilities and needs, and society's aim for economically, socially and ecologically sustainable development
- working with different groups demonstrate the ability to orally and in writing account for and discuss information, problems and solutions
- show the ability to make assessments considering relevant scientific, social and ethical aspects
- work independently as an engineer

Course contents

The work should include problems that give specialisation/broadening within the main subject. The degree project is carried out independently. The work is normally done at a workplace outside KTH. The student is supervised during the work by supervisors at both KTH and in the workplace.

Course literature

The literature is decided individually depending on the assignment. A reading list can be suggested by the examiner or supervisor.

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 is carried out according to the routines that apply to the program and is specified in the instructions for degree projects within the engineering programme in Chemical engineering. The work should be carried out according to the project model that is applied during the program. The student should participate in the start seminar and present an approved literature summary and an approved final report, document the process in the log book and present and defend his work at an oral presentation.

Other requirements for final grade

If the student has not presented an approved degree project within 12 months from the start date, the degree project will be failed.

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.