



# KH139X 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 KH139X valid from Spring 2015

## Grading scale

A, B, C, D, E, FX, F

## Education cycle

First cycle

## Main field of study

Chemistry and Chemical Engineering, Technology

## Specific prerequisites

At least 140 credits in completed courses at the Bachelor Programme in Chemical Engineering, and completed advanced courses 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

The student shall independently apply the engineering skills and knowledge acquired to work as an chemical engineer.

When you have passed the course you will be able to:

- apply knowledge and skills acquired during the programme at real tasks,
- within given frames independently analyse and bring in action a larger task in the engineering area,
- carry out information retrieval and find and adopt technical and scientific literature relevant for a current project
- compile and present performed information retrieval
- use complex data to build models and evaluate and predict events
- show ability to reflect around, value and criticize your own and others results,
- document and present your work for a given target group with high demands on structure, formality and grammar
- write a summary in english with correct use of the terminology of the subject
- show ability to identify your need for further knowledge and to continuously develop your competence.

## Course contents

The work shall include problems deepen or broaden aspects of the main subject. The degree project is independently conducted by one or two students. The work is normally localized at a work place outside KTH. The student will be guided by supervisors at KTH and at the work place.

## Course literature

The literature is determined individually depending on the project. Literature can also be proposed by the examiner or supervisor.

## Examination

- XUPP - Examination Question, 15.0 credits, grading scale: A, B, C, D, E, FX, 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 conducted according to the procedures specified in the Instructions for degree of Bachelor of Science program in Chemical Engineering. The work will be carried out according to the project model as applied in the program. The student will participate in the startup seminar, present an approved literature review and an approved final report, document the process in the logbook and present and defend the work in an oral presentation.

## Other requirements for final grade

A written report and an oral presentation (XUPP; 15 cr)

If the student did not present an approved thesis within 12 months from the start date, the thesis will be rejected.

## 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.