



KA102X Degree Project in Chemical Engineering, 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 KA102X valid from Spring 2013

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Completed upper secondary education including documented proficiency in Swedish corresponding to Swedish B and English corresponding to English A. For students who received/will receive their final school grades after 31 December 2009, there is an additional

entry requirement for mathematics as follows: documented proficiency in mathematics corresponding to Mathematics A.

And the specific requirements of mathematics, physics and chemistry corresponding to Mathematics E, Physics B and Chemistry A, and 120 university credits (hp), within the Degree Programme in Chemical Science and Engineering, or equivalent

In addition to these requirements is also required:

A total of 120 credits to be completed, of which a total of 90 credits from study year 1 and 2, which at least 50 credits from study year 1.

The student must apply for a diploma work before the degree work can start.

Language of instruction

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

Intended learning outcomes

The degree project should provide the student with insight into a current research or development project in chemistry and chemical engineering.

After approved course the student should be able to:

- Apply relevant knowledge and skills in chemistry and chemical engineering that he/she has gained during the studies at KTH on a defined problem
- Within given boundaries independently analyze and discuss assignments and solve extensive problems within chemistry and chemical engineering on a fundamental level
- Reflect, assess and critically review own and others' scientific results
- Identify the needs for further knowledge and take the responsibility for his/her knowledge development
- Perform an advanced literature search
- Document and present the work with demands on structure, formalization and language correctness

Course contents

The course covers planning of the work within a given framework, information searching, report writing and critical assessment of a diplom work.

Disposition

Language of instruction: Swedish

Course literature

Litteraturen bestäms individuellt beroende på uppgiften. Vetenskapliga artiklar och textböcker på området. Kurslitteratur kan även föreslås av examinator eller handledare.

The literature is individually decided depending on the task. Scientific articles and textbooks in the field. Literature can also be proposed by the examiner or supervisor.

Examination

- XUPP - Examination Work, 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.

Other requirements for final grade

Relevant literature survey, written report, oral presentation and opposition on another degree project report on first level.

The report should preferably be written in Swedish.

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.