KD2910 Project in Chemistry 15.0 credits

Projekt i kemi

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

Establishment

Course syllabus for KD2910 valid from Autumn 2010

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Chemical Science and Engineering

Specific prerequisites

Appropriate courses for the chosen problem, at least 150 credits in chemistry and chemical engineering, 20 university credits (hp) in mathematics and 6 university credits (hp) in computer science or corresponding.
The examiner will determine if prerequisites are sufficient.

Language of instruction

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

Intended learning outcomes

After completing the course, students should be able to:

- apply knowledge and skills in chemistry and chemical engineering sought in earlier studies
- analyze a specific research task or problem
- obtain the necessary information for the formulation of the problem and plan how the task can be solved
- perform experimental and theoretical treatment of the task, if needed
- look for information in scientific literature
- summarize the results in a written report

Course contents

Course is designed as an individual project work equivalent 10 weeks of full-time job. A current problem or research project in chemistry and chemical engineering are formulated and analyzed in conjunction with interested teachers. The task can be theoretical and / or experimental nature.

In general, the project begins with studies of the project's background and with a smaller literature review. Then the task is planned and, where appropriate formulated a project plan for the experimental work. When the task is completed, describes the method and the results are analyzed, discussed and documented in a written report of good quality

Course literature

Selected in conjunction with the project assignment

Examination

- PRO1 - Project, 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.

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

Other requirements for final grade

Approved planning / project plan and approved in writing final report (PRO1; 15 hp).

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.