SYLLABUS

Senior Design Project in Chemical Engineering 30 credits T7007K

Projektkurs i Kemiteknik

Course syllabus admitted: Autumn 2023 Sp 1 - Present

DECISION DATE
2017-02-10

Luleå University of Technology 971 87 Luleå, Sweden
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LULEÅ TEKNISKA UNIVERSITET

Senior Design Project in Chemical Engineering 30 credits T7007K

Projektkurs i Kemiteknik

Second cycle, T7007K

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Kemisk teknologi	Chemical Engineering

Entry requirements

Decided by the examiner depending on type of project.

Selection

The selection is based on 30-285 credits

Course Aim

The overall goal of the course is that the student practices, develops and is able to apply theory and methods to solve unstructured problems relevant to a profession as Master of Science in Chemical Engineering.
This means that on completion of the course the student is able to:

– Formulate a relevant problem for investigation from a chosen subject within the subject area Chemical Engineering.

– Apply knowledge and proficiency that has been acquired during the period of study to a smaller research project in an independent and systematic manner.
– Choose and justify the study method for an investigation.
– Analyse and defend the problem formulated in a correct manner with respect to science and engineering, without complete information.
– Locate and critically review information and summarize this in a scientific manner.
– Plan, structure and execute a project within research, development or investigation.
– Judge the scientific and practical relevance of the results obtained.
– Work to a timetable.
– Express themselves well in writing in a verbally and scientifically correct manner.
– Create and execute a presentation of the results of the project, defending the conclusions.
– Critically review the work of others in a constructive and scientific manner.

Contents

The project theme shall be chosen in cooperation with the examiner and be related to modern research and development.

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
The student will work independently with guidance.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.
Oral presentation and written report.

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term “unauthorized aids” refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Transition terms

2500

Course offered by

Department of Civil, Environmental and Natural Resources Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Passed oral and written presentation	G U 3 4 5	30	Mandatory	A15	

Last revised

by Assistant Director of Undergraduate Studies Eva Gunneriusson, Department of Civil, Environmental and Natural Resources Engineering 2017-02-10

Syllabus established

Course plan approved by the Department of Chemical Engineering and Geosciences 2009-05-28.