

**SYLLABUS**

# **Senior Design Project in Applied Geology 7.5 credits L7022K**

**Projektkurs i tillämpad geologi**

**Course syllabus admitted: Autumn 2023 Sp 1 - Present**

**DECISION DATE  
2022-02-11**

# Senior Design Project in Applied Geology 7.5 credits L7022K

## Projektkurs i tillämpad geologi

### Second cycle, L7022K

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Geovetenskap	Earth Science and Physical Geography

### Main field of study

Geosciences

## Entry requirements

90hp in natural resources engineering or equivalent, of which 30 credits environmental geochemistry or equivalent. Good knowledge in English, equivalent to English 6.

## Selection

The selection is based on 30-285 credits

## Course Aim

The student should independently design, implement and report on a project in the subject of geochemistry.

*This means that the student after completing the course should:*

- be able to formulate a relevant purpose based on a given problem in geochemistry
- plan, structure and implement a project within given time frames.
- assess the scientific and practical relevance of the results obtained.
- express themselves well in writing and orally
- conduct an oral presentation of the project's results, argue and defend the achieved conclusions for relevant stakeholders.

## Contents

The course covers the following areas:

Introduction of the course objectives, description of available project and stakeholder.

Planning project, defining goals, formulating activities and time schedule

Review of oral and written presentation requirements

Project implementation, which may include laboratory work, field work or work with existing data.

Written presentation of the work

Oral presentation of work to relevant stakeholders.

Content is designed in dialogue with the examiner and supervisor, and if relevant stakeholders. The projects are in the subject of geochemistry

## 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 works independently under supervision. Planning of laboratory work and field work is carried out in collaboration with supervisors and any stakeholders involved in the project. Analytical surveys and fieldwork are carried out together with stakeholders and / or supervisors. Regular meetings with supervisors take place throughout the project period. Oral and written presentation for relevant stakeholders and the research group within Applied Chemistry.

## 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. All goals are examined and assessed in the written presentation and in the oral presentation.

## 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.

## 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	7.5	Mandatory	A07	Yes

## Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

## Last revised

by Assistant Director of Undergraduate Studies Eva Gunneriusson, Department of Civil, Environmental and Natural Resources Engineering 2022-02-11

## Syllabus established

Course plan approved by the Department of Chemical Engineering and Geosciences 2007-02-28.