

Course syllabus

Fördjupningskurs i teknisk geologi Advanced Course in Engineering Geology

VTGN16, 15 credits, A (Second Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED V

Date of Decision: 2023-03-21

General Information

Main field: Water Resources Engineering.

Elective for: MWLU2

Language of instruction: The course will be given in English on demand

Aim

To give in-depth knowledge and skills in engineering geology.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- have in-depth knowledge in the chosen scientific area(s)
- have insight in the working procedure in a research project
- have insight in the work of a research group

Competences and skills

For a passing grade the student must

- be able to independently plan, carry out and report a project
- be able to independently search, retrieve, work on and compile relevant information
- be able to systematically integrate and use knowledge from earlier courses in the study programme

Judgement and approach

For a passing grade the student must

- carry out a research project in a research group
- be able to critically read, evaluate and draw conclusions from scientific literature

Contents

- Supervised independent literature studies through databases and libraries
- Supervised independent work in close connection to an ongoing research project
- Written report in Swedish or English according to standards in international peer reviewed journals. Oral presentation in Swedish or English at a publicly announced seminar.

Examination details

Grading scale: UG - (U,G) - (Fail, Pass)

Assessment: Oral and written report.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

Admission requirements:

- International master programme students shall have passed 45 credits

The number of participants is limited to: No

Reading list

- Scientific papers or other literature related to the chosen topic.

Contact and other information

Course coordinator: Gerhard Barmen, gerhard.barmen@tg.lth.se

Course homepage: <http://www.student.lth.se>

Further information: A detailed individual plan and goal document shall be written together with the examiner and supervisor. They must also approve these documents before the course can start.