



DEPARTMENT OF EARTH SCIENCES

GVG480 Regional geology field course, 7.5 credits

Regional geologi fältkurs, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Earth Sciences on 2018-12-20 to be valid from 2018-12-20, spring semester of 2019.

Field of education: Science 100%

Department: Department of Earth Sciences

Position in the educational system

This is a course within the Earth Science Master's programme N2GVS and can be included in the Earth Science bachelor's programme N1GVS.

This course can be taken as an elective course. International students are welcome to apply.

The course can be part of the following programmes: 1) Bachelor's Programme in Earth Sciences (N1GVS) and 2) Master's Programme in Earth Sciences (N2GVS)

Main field of studies

Earth Sciences

Specialization

A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

Admittance to the course requires at least 150 credits within the field of Earth Sciences including successful completion of a mineralogy course (GVG210 or its equivalent) and a petrology course (GVG270 or its equivalent).

Learning outcomes

After successful completion of the course the student can expect to:

Knowledge and understanding

gather elements from earlier geological courses to create a more complete understanding of large-scale geological features with emphasis on geology of the Nordic region.

Competence and skills

- proficiency in outcrop descriptions in the field by applying previously learnt knowledge of petrology and other geological subjects.
- working on field relationships between different rock units in the field, incorporating field tools such as producing sketches, geological maps, and measurements in the field.
- actively participate in discussing observations during field work.
- reading and summarizing scientific articles.
- presenting findings in seminar.

Judgement and approach

Critical analysis of large-scale geological features via field analysis, scientific papers, and group discussion.

Course content

The course provides introductory lectures on Scandinavian geology with an emphasis on **placing** important key concepts into a global perspective.

The course has three sections rooted in the class lectures:

1. Multiple field studies, in which the student shall write a detailed field report based on earlier lectures, literature and their own notes.
2. A seminar assignment, in which the student will read and present the geology of a selected region or topic in the form of a lecture.
3. A written exam, in which the students will be evaluated on their understanding of material covered in the lectures, field work and seminars.

Form of teaching

The teaching consists of class lectures, obligatory group work in the field and obligatory seminars.

The course includes: a written field report, an oral presentation and a written exam.

Language of instruction: English

All courses given at the advanced level within the Earth Science Master's programme are given in English; including the lectures, discussion and course material.

Assessment

Section 1: written field report	2.5 hp	G/U	(pass/fail)
Section 2: oral presentation	2.5 hp	G/U	(pass/fail)
Section 3: written exam	2.5 hp	VG/G/U	(pass with distinction/pass/fail)

To receive a passing grade the student must have completed all of the course sections successfully, including the obligatory course sections.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U). For this course a grade of passed with distinction (VG), passed (G) or failed (U) is possible.

All three course sections must be completed to complete the course.

Course evaluation

The course evaluation occurs towards the end of the course period, the student participates anonymously by completing a survey. A summary of the course evaluation results are available via the university's GU learning platform.

The results of and possible changes to the course will be shared with students who

participated in the evaluation and students who are starting the course.

Additional information

Students within the Earth Science Master's Programme N2GVS are prioritized during the admission's process.

The fieldwork includes additional costs for students.

This course is an excellent opportunity for students not just from our Earth Sciences programme, but also elective and international students.