



DEPARTMENT OF EARTH SCIENCES

GV4000 Earth Science Excursion 1, 15 credits

Geovetenskaplig exkursion 1, 15 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Earth Sciences on 2015-09-25 and was last revised on 2019-03-06 to be valid from 2019-03-06, autumn semester of 2019.

Field of education: Science 100%

Department: Department of Earth Sciences

Position in the educational system

This course is part of the Earth Science Master's programme (N2GVS).

The course can be taken as an elective course.

The course can be part of the following programme: 1) 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

120 credits within geosciences with a focus on geology or natural geography with at least passing grades (G).

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

In the direction of bedrock geology:

- have detailed as well as comprehensive knowledge of the development of the lithosphere and regional geology in a non-Nordic country or countries
- have the ability to independently and professionally interpret and discuss the bedrock orogenesis based on observations of the character of sedimentary, magmatic and metamorphic rock species and context
- have comprehensive knowledge of ore forming processes in various tectonic settings

Within the direction of environmental geology:

- be able to account for both regional and local conditions with regard to rocks, stratigraphy, quaternary and recent deposits, geomorphology and the relevant geoscientific processes
- be able to explain the variations between different areas with regard to general geological principles
- Understand and assess the interplay between geological processes and society in terms of natural hazards and environmental risks

Within the focus on natural geography:

- have detailed as well as comprehensive knowledge of the development of a landscape
- have detailed knowledge of the interplay of processes within the lithosphere, hydrosphere, cryosphere and atmosphere
- have the ability to independently and professionally interpret and discuss the landscape development and the natural geographical conditions based on observations in one holistic perspective

Competence and skills

- increase skills in presenting achieved results orally and in writing
- investigating a geoscientific question with a field based approach
- comprehend the interplay among the Earth's different spheres in the field

Judgement and approach

The non-Nordic excursion consists of a preparational class room seminar with student contributions and discussions as well as a multi day excursion in a country outside the Nordic countries

Course content

The course consists of a class room seminar, an excursion trip of 7.5 credits and a written summation section of 7.5

hp.

Form of teaching

The course has group project work and seminars in preparation for and summation of the field trip. During the excursion, lecture and hands-on teaching occurs on location.

Language of instruction: English

Assessment

The Examination is a culmination of seminars and discussions in the field as well as written accounts of project work. Both written and oral presentation of independent work and group work forms the basis for the grades Pass with Distinction or Pass.

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).

Course evaluation

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

This course can be taken as an elective course. This course and all courses at the master's level at the Department of Earth Sciences is taught in English.

There are some additional fees associated with the field trip. Program students have the possibility of applying for a field trip scholarship in the spring before the course or retroactively after the course is completed.