

Syllabus

for course at advanced level

The Geoscientific Method
Den geovetenskapliga metoden

**7.5 Higher Education
Credits**
7.5 ECTS credits

| | |
|--------------------------|-------------------------------------------------------------------------|
| Course code: | GG7007 |
| Valid from: | Autumn 2018 |
| Date of approval: | 2009-05-04 |
| Changed: | 2018-05-14 |
| Department | Department of Geological Sciences |
| Main field: | Geological Sciences |
| Specialisation: | A1N - Second cycle, has only first-cycle course/s as entry requirements |

Decision

This syllabus was approved by the Faculty of Science at Stockholm University 2009-05-04 and revised 2011-10-10 and 2018-01-29.

Prerequisites and special admittance requirements

Bachelor's degree, with at least 90 credits in earth science. English B/English 6 or equivalent.

Course structure

| Examination code | Name | Higher Education Credits |
|------------------|--------------------------|--------------------------|
| HELA | The Geoscientific Method | 7.5 |

Course content

The course covers:

- history of Geoscience and Philosophy
- how a scientific hypothesis is formulated and tested
- how scientific data is examined, treated and presented

Learning outcomes

After completing the course, the student is expected to be able to:

- know the historical and philosophical development of geoscience
- be able to formulate and test a scientific hypothesis
- be able to review, process and present scientific data

Education

The course consists of lectures and exercises. Seminars may occur. Participation in exercises and in any associated integrated instruction is compulsory.

In the event of special circumstances, the examiner may, after consultation with the teacher concerned, grant a student exemption from the obligation to participate in certain compulsory instruction.

The teaching language is English.

Forms of examination

a. Knowledge assessment and examination are in the form of written examinations.

b. Grades will be set according to a seven-point scale related to the learning objectives of the course:

A = Excellent

B = Very good

C = Good

D = Satisfactory

E = Adequate

Fx = Fail, some additional work required

F = Fail, much additional work required

c. The grading criteria will be distributed at the beginning of the course.

d. In order to pass the course, students must receive the minimum passing grade E on all course units and participate in all mandatory instruction.

e. Students who receive a failing grade on a regular examination are allowed to retake the examination as long as the course is still provided. The number of examination opportunities is not limited. Other mandatory course elements are equated with examinations. A student who has received a passing grade on an examination may not retake the examination to attain a higher grade. A student who has failed the same examination twice is entitled to have another examiner appointed, unless there are special reasons to the contrary. Such requests should be made to the department board. The course has at least two examination sessions per academic year the year of tuition given. Intermediate years are given at least one examination.

f. There is no facility to improve the grade Fx to a pass grade in this course.

Interim

Students may request that the examination be conducted in accordance with this course plan even after it has ceased to be valid. However, this may not take place more than three times over a two year period after course instruction has ended. Requests must be made to the department board. The provision also applies in the case of revisions to the course plan.

Limitations

The course may not be included in a degree in combination with the courses Science Communication, AN, 30 credits (NG4500, GE7026) or Science Theory for Interdisciplinary Environmental Research, AN, 7,5 credits (NK3160, GE7027), or equivalent.

Misc

The course is part of the Master Programme in Geological Sciences.

Required reading

The course literature is decided by the department board and published on the Department of Geological Sciences website at least two months before the start of the course.