Department of Geological Sciences

Stockholm University

Syllabus

for course at first level

Mineralogy
Mineralogi

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	GG4146
Valid from:	Autumn 2018
Date of approval:	2017-08-18
Department	Department of Geological Sciences
Main field:	Earth Sciences
Specialisation:	G1F - First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Decision

This syllabus was approved by the Faculty of Science at Stockholm University 2017-08-20

Prerequisites and special admittance requirements

Admission to the course requires completion the courses Tellus I - Geology 15 credits and Tellus II - Geology 12.5 credits or Geology and geophysics 15 credits, or equivalent.

Course structure

Examination code	Name	Higher Education Credits
HELA	Mineralogy	7.5

Course content

The course deals with:
• inorganic geochemistry
• geochemical analysis and data processing
• mineral chemistry and mineral physics
• crystallography
• optical microscopy
• classification of mineral in common rocks

Learning outcomes

After completing the course, the student should be able to
• explain basic principles in mineralogy and crystallography
• identify minerals in common rocks by optical microscopy
• classify minerals in common rocks

Education

The course consists of lectures, exercises. Field work and seminars may occur. Participation in exercises, seminars and field work 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.

g. 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 Mineralogy and Mineral Chemistry 7.5 credit (GG4002/GG4037/GG4140/GG4141) and Mineralogy and Petrology (GG4004/GG4140/GG4211/GG5105).

Misc

The course is part of the Bachelor's Programme in Geology, Geochemistry and Geophysics and the Bachelor Programme in Earth Science, but can also be read as a separate course.

The course may include field trips that can entail costs for the student.

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.