Department of Geological Sciences

Stockholm University

Syllabus

for course at first level

The Sea, Introductory Course
Havet, orienteringskurs

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	GG1005
Valid from:	Autumn 2019
Date of approval:	2006-10-18
Changed:	2011-01-17
Department	Department of Geological Sciences
Main field:	Earth Sciences
Specialisation:	G1N - First cycle, has only upper-secondary level entry requirements

Decision

This syllabus was approved by the Faculty of Science at Stockholm University 2011-01-17

Prerequisites and special admittance requirements

Basic eligibility.

Course structure

Examination code	Name	Higher Education Credits
T1GG	Theory	7.5

Course content

The course covers:
• the formation and development of the sea basins
• the physical and chemical properties of the sea
• processes for sediment formation
• the sea sediments as climate historical archives
• the development of the marine biosphere

Learning outcomes

After completing the course, the student is expected to be able to:
• understand the reasons for the development of sea basins
• understand how sea sediment is formed • understand how physical and chemical properties affect ocean circulation
• understand the usefulness of deep sea sediment as an archive of our climate history
• account for marine biosphere development and zoning

Education

The course consists of lectures, exercises and field work.
Participation in exercises 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 The Basics of Oceanography 5 credits (ME6030), OThe Basics of Oceanography, 7,5 credits, or The Sea 5 credits (GO6020).

In a Bachelor's degree at the Faculty of Science, Stockholm University, a maximum of 15 credits can normally consist of courses classified as orientation courses. Orienteering courses cannot be included in the master's degree at the Faculty of Science, Stockholm University.

Misc

The course is a free standing course, but can also be read as a part of the Bachelor Programme in Earth Sciences.

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.