Department of Biology Education

Stockholm University

Syllabus

for course at first level

Marine Biology
Marinbiologi

15.0 Higher Education Credits
15.0 ECTS credits

Course code:	BL5009
Valid from:	Autumn 2007
Date of approval:	2023-11-21
Department	Department of Biology Education
Subject	Biology
Specialisation:	G2F - First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University.

Prerequisites and special admittance requirements

Admission to the course requires knowledge equivalent to Cell and Molecular Biology 15 credits, Diversity and Phylogeny of Organisms 15 credits, Physiology 15 credits and Ecology, Floristics and Faunistics 15 credits.

Course structure

Examination code	Name	Higher Education Credits
5A09	Theory	3
5B09	Field Studies Askö Laboratory, Baltic Sea	1.5
5C09	Field Studies, Tjärnö Marine Biology Lab., North Sea	6
5D09	Essay and seminar	4.5

Course content

a. The course covers • aquatic fauna and flora along the Swedish coastline • marine communities and the abiotic and biotic factors regulating them • marine ecology on an individual, population, community and ecosystem level, including biological interactions, eco-physiology, flows of energy and matter • studies and assessments of environmental problems in the sea, including eutrophication, fishing and pollution.
b. The course consists of the following parts: Theory 3hp, Field studies Askö laboratory, Baltic Sea (1.5 hp), Field studies Tjärnö Marine Biology Laboratory, North Sea (6 hp), Essay and seminar (4.5 hp).

Learning outcomes

It is expected that the student after taking the course will be able to:
• account for important factors that control the biodiversity and function of marine ecosystems with emphasis on conditions on the Swedish west coast and in the Baltic Sea
• explain how the Baltic Sea ecosystem reacts to natural and human impacts
• use their knowledge to work with marine biology questions in teaching and at national or regional authorities

Education

Instruction consists of lectures, field studies, seminars, exercises, project work, presentations and laboratory

exercises.

Participation in field studies, seminars, exercises, project work, presentations and laboratory exercises as well as group education associated with this is compulsory. An examiner may rule that a student is not obliged to participate in certain compulsory education if there are special grounds for this after consultation with the relevant teacher.

Forms of examination

a. Examination for the course is in the following manner: measurement of knowledge takes place through presentation of project work as well as written and/or oral examination.

b. Grading is carried out according to a 7-point scale related to learning objectives:
A = Excellent
B = Very Good
C = Good
D = Satisfactory
E = Sufficient
Fx = Fail
F = Fail

c. Grading criteria for the course will be distributed at the start of the course.

d. A minimum grade of E is required to pass the course, together with approved laboratory exercises, approved field studies and participation in all compulsory education.

e. Students who fail an ordinary examination are entitled to sit additional examinations as long as the course is offered. There is no restriction on the number of examinations. Examinations also include other obligatory elements of the course. Students who have passed an examination may not resit it in order to achieve a higher grade. Students who have failed on two occasions are entitled to request the appointment of a different examiner for the next examination. Any such request must be made to the departmental board.

Interim

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

Limitations

The course may not be included in a degree together with the course Marine Biology 10 p (BI3830) or the equivalent.

Misc

The course is a component of the Bachelor's Programmes in Biology and Marine Biology, and it can also be taken as an individual course. The course includes compulsory elements in the field, which entail certain costs for the student. The education includes elements which may consist of collection of living plants and animals as well as experiments, where these animals are killed and examined.

Required reading

Course literature is decided by the departmental board and is described in an appendix to the syllabus.