

Syllabus

for course at advanced level

Marine Environmental Monitoring
Marin miljöövervakning

15.0 Higher Education
Credits
15.0 ECTS credits

Course code:	BL7010
Valid from:	Autumn 2007
Date of approval:	2006-09-27
Department	Department of Biology Education
Subject	Biology

Decision

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

Prerequisites and special admittance requirements

Admittance 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. (Three credits corresponds to approximately two weeks full-time studies). Swedish upper secondary school course English B or equivalent or one of the following tests. Cambridge CPE och CAE: Pass. IELTS : 6.0 (with no part of the test below 5.0). TOEFL (paper based): 550 (with minimum grade 4 on the written test part). TOEFL (computer based): 213. TOEFL (internet based): 79.

Course structure

Examination code	Name	Higher Education Credits
7010	Marine Environmental Monitoring	15

Course content

The course covers both theoretical and practical aspects of environmental monitoring, such as planning, executing and evaluating environmental monitoring programs and field experiments in aquatic systems. Large emphasis is on statistical analysis of data.

Learning outcomes

It is expected that the student after taking the course will be able to: • explain how Swedish environmental monitoring programs are organized • apply his/her knowledge on experimental design of field experiments in aquatic systems • explain how statistical tests can be used to analyze data from environmental monitoring programs and field experiments • perform field sampling and statistical analysis in practice

Education

The education consists of lectures, seminars, computer exercises, field studies and project work (including a minor environmental monitoring project). Participation in seminars, computer exercises, field studies, project work and 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:

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 computer exercises and project work
- participation in all compulsory education

e. Students who fail to achieve a pass grade in an ordinary examination have the right to take at least further four examinations, as long as the course is given. The term “examination” here is used to denote also other compulsory elements of the course. Students who have achieved a pass grade on an examination may not retake this examination in order to attempt to achieve a higher grade. Students who have failed to reach a pass grade on two occasions have the right to request that a different teacher be appointed to set the grade of the course. A request for such appointment must be sent 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 can not be included in a degree together with the course Marine Environmental Monitoring 10 p (BI3780) the equivalent.

Misc

The course includes compulsory elements in the field, which entail certain costs for the student. The course is a component of the Master's Programme in Biology, and it can also be taken as an individual course.

Required reading

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