

# Syllabus

for course at first level

**Marine Ecology  
Marinekologi**

**6.0 Higher Education  
Credits  
6.0 ECTS credits**

<b>Course code:</b>	BL5019
<b>Valid from:</b>	Autumn 2008
<b>Date of approval:</b>	2008-09-04
<b>Department</b>	Department of Biology Education
<b>Subject</b>	Biology
<b>Specialisation:</b>	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

Admittance to the course requires knowledge equivalent to Cell and Molecular Biology 15 credits/Genes, cells and populations 15 hp, 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).

## Course structure

Examination code	Name	Higher Education Credits
5019	Marine ecology	6

## Course content

The course covers population ecology, species interactions, community ecology and systems ecology. The course also deals with the human use of marine resources and how this affects the marine food web and how natural and man-made disturbances change the production capacity in marine ecosystems.

## Learning outcomes

It is expected that the student after taking the course will be able to: • demonstrate solid knowledge in marine biology and marine ecology, including basic biogeochemical and ecological processes in the marine environment as well as terminology, theory and methodology regarding different levels of ecological organisation: individual, populations, communities and ecosystems • show ability to collect and evaluate ecological information, demonstrate skills in performing ecological science projects in the field and to orally and in writing present ecological studies • explain in principle the flow of energy and matter through a marine ecosystem and how human use of marine resources might affect this flow • explain and discuss probable effects from chemical pollution in the marine environment

## Education

The education is in general problem orientated and consists of group exercises in field, independent experimental work and lectures.

Participation in field exercises and independent experimental work as well as presentations and briefings

associated with these 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 as well as written and oral presentations.

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:

- 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 Ecology 4 p, (BI1040) or the equivalent.

### **Misc**

The course is a component of the Bachelor's Programme in Biology-Earth Sciences, 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.