

# Syllabus

for course at first level

**Analysis and Presentation of Biological Data**

**Analys och presentation av biologiska data**

**7.5 Higher Education**

**Credits**

**7.5 ECTS credits**

<b>Course code:</b>	BL5028
<b>Valid from:</b>	Autumn 2016
<b>Date of approval:</b>	2015-08-21
<b>Changed:</b>	2016-05-16
<b>Department</b>	Department of Biology Education
<b>Main field:</b>	Biology
<b>Specialisation:</b>	G1F - First cycle, has less than 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 Biological statistics I 7,5 credits (BL4020).

## Course structure

<b>Examination code</b>	<b>Name</b>	<b>Higher Education Credits</b>
HELA	Analysis and Presentation of Biological Data	7.5

## Course content

The course gives hands-on experience from structuring, describing, statistically analyzing, and presenting biological data. The course includes statistics as well as oral and written communication techniques. The course provides practical training for further research studies as well as nonacademic biological work.

## Learning outcomes

Upon completion of the course, students are expected to be able to:

- demonstrate the ability to collect, manage and structure, analyze and present biological data and results of hypothesis testing.

## Education

Instruction consists of lectures, computer exercises and group exercises.

Participation in group exercises and computer exercises, and any associated integrated instruction is compulsory. In the event of special circumstances, the examiner may, after consultation with the teacher concerned, grant student exemption from the obligation to participate in certain compulsory instruction.

## Forms of examination

- The course is examined as follows: Knowledge assessment takes the form of written and oral presentations.
- 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 a passing grade on all course units, approved computer exercises 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.  
The course includes at least two examination opportunities per year when the course is given. At least one examination opportunity will be offered during a year when the course is not given.

f. Students awarded the grade Fx are given the opportunity to improve their grade to E. The examiner decides the supplementary assignments to be performed and the pass mark criteria. The supplementary assignments will take place before the next examination session.

### **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 departmental board. The provision also applies in the case of revisions to the course plan (and the revisions of the course literature).

### **Limitations**

The course may not be included in a degree together with the course Analysis and Presentation of Biological Data 15 hp (BL4001) or equivalent.

### **Misc**

The course is a component of the Bachelor's Programmes in Biology, Marine Biology and Molecular Biology, and it can also be taken as an individual course.

### **Required reading**

The course literature is decided by the department board and is published on the course page in the online course catalogue at least two months before the start of the course.