Department of Biology Education

Stockholm University

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

Course code:	BL5028
Valid from:	Autumn 2015
Date of approval:	2015-08-21
Department	Department of Biology Education
Main field:	Biology
Specialisation:	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

Examination code	Name	Higher Education Credits
MOM1	Handling and Analysing Biological Data	3
MOM2	Analysing and Presenting Biological Data	4.5

Course content

a. The course gives hands-on experience from structuring, describing, statistically analyzing, and presenting biological data and results from hypothesis testing. 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.
b. The course includes the following elements: 1. Handling and analyzing biological data 3 hp. 2. Analysing and presenting biological data 4,5.

Learning outcomes

It is expected that the student after taking the course will be able to
* demonstrate the ability to collect, manage and structure, analyze and present biological data and results of hypothesis testing.

Education

The education consists of lectures, computer exercises and group exercises.
Participation in computer exercises, group exercises 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 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:
• approved computer exercises
• 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.
The course has at least two examinations for each academic year in the years in which instruction is provided. Intervening years include at least one examination.

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 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 Biostatistics, Analysis and Presentation of Biological Data 15 hp (BL4011)

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

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