Department of Biology Education

Stockholm University

Syllabus

for course at first level

Biological Statistics I
Biologisk statistik I

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	BL4021
Valid from:	Autumn 2017
Date of approval:	2017-05-15
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

Admittance to the course requires knowledge equivalent Ecolgy I 15 credits (BL4019)or Ecology I 15 credits (BL4019) or Cell and Molecular Biology 27 credits (BL3008), alternatively Genes, cells and populations 15 credits (BL2011). (Three credits corresponds to approximately two weeks full-time studies).

Course structure

Examination code	Name	Higher Education Credits
HELA	Biological Statistics I	7.5

Course content

The course covers basic biological statistics including descriptive statistic, experimental design and hypothesis testing.

Learning outcomes

It is expected that the student after taking the course will be able to
* demonstarate basic knowledge and practical skills of biological statistics that enable basic description and analysis of biological data.

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 examinations.

If the instruction is in English, the examination may also be conducted in English.

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 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.

f. There is no facility to improve the grade Fx to a pass grade in this course.

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 examinations in combination 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.