

# Syllabus

for course at advanced level

**Animal Diversity - Invertebrates**

**Djurens mångfald - ryggradslösa djur**

**10.0 Higher Education**

**Credits**

**10.0 ECTS credits**

<b>Course code:</b>	BL7044
<b>Valid from:</b>	Spring 2016
<b>Date of approval:</b>	2015-08-21
<b>Department</b>	Department of Biology Education
<b>Main field:</b>	Biology
<b>Specialisation:</b>	A1N - Second cycle, has only 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 a Bachelor's degree in Biology Swedish upper secondary school course English B/English 6 or equivalent.

## Course structure

Examination code	Name	Higher Education Credits
HELA	Invertebrates	10

## Course content

The course covers:

- \* animal diversity and evolution with emphasis on modern systematic research.
- \* a systematic review of the biology, comparative anatomy, and phylogeny of extant and some fossil animal groups.
- \* a discussion of current hypotheses on invertebrate evolution

## Learning outcomes

It is expected that the student after taking the course will:

- be familiar with the main animal groups, their biology, comparative anatomy, diversity and life cycles
- be able to describe and discuss the evolution and phylogeny of Metazoa,
- be able to discuss current hypotheses on Animal evolution.

## Education

The education consists of internet-based lectures based on the course homepage and discussion groups on the course online forum, and field studies. Active participation in group discussions and field studies as well as 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 examination. 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 submitted work
- 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 (if required: for each element) 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 can not be included in a degree together with the course Systematic Zoology 15 hp (BL7004) or the equivalent.

### **Misc**

The course is a component of the Nordic Master's Programme in Biodiversity and Systematics, and it can also be taken as an individual course. The course includes compulsory elements in field, which may entail additional cost for the student.

### **Required reading**

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