

# Syllabus

for course at first level

**Diversity and Phylogeny of Organisms, Without Experimental Animals**      **15.0 Higher Education Credits**  
**Organismernas mångfald och fylogeni, försöksdjursfri variant**      **15.0 ECTS credits**

**Course code:** BL2014  
**Valid from:** Autumn 2008  
**Date of approval:** 2008-04-07  
**Department:** Department of Biology Education

**Subject:** Biology  
**Specialisation:** G1N - First cycle, has only upper-secondary level entry requirements

## Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University.

## Prerequisites and special admittance requirements

Swedish upper secondary school courses Biology B, Chemistry B and Mathematics C, or equivalent.

## Course structure

Examination code	Name	Higher Education Credits
2A14	Theory	10.5
2B14	Practical Studies and Animal Dissections	3.5
2C14	Essay on Animal Anatomy	1

## Course content

a. The course covers the origin of life and the three of life and the diversity, morphology, life history and phylogeny of the main groups of organisms. b. The course includes the following elements: 1. Theory 10.5 hp, 2. Practical studies of groups of organisms 3.5 hp, 3. Essay on animal anatomy 1 hp

## Learning outcomes

It is expected that the student after taking the course will be able to:

- give an account of the main groups of organisms and their diversity, morphology, life history and phylogeny
- give a general overview for the history of life on earth
- show a basic understanding of the contents of the theory of evolution and its implications as a model of explanation in biology
- analyze phylogeny and character evolution, as well as using cladograms for formulating and discussing evolutionary problems in biology
- use the microscope

## Education

The education consists of lectures, laboratory exercises and group education.

Participation in group education as well as laboratory 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 for element 1 takes place through:

Written and/or oral examination

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

F<sub>x</sub> = 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:

- pass of elements 2 and 3
- approved laboratory 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.

### **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 courses Biology 45 p (BI1100), Animal Diversity and Phylogeny (BIA100), Plant Diversity and Phylogeny (BIA190), Biology 40 p (BI1880), Diversity and Phylogeny of Organisms 13 p (BI2030), Diversity and Phylogeny of Organisms, Without Experimental Animals 13 p (BI2040), Diversity and Phylogeny of Organisms 5 p (BI2010), Diversity and Phylogeny of Organisms, Without Experimental Animals (BI2020), Diversity and Phylogeny of Organisms 10 p (BI2120), Diversity and Phylogeny of Organisms, Without Experimental Animals 10 p (BI2130), Evolution och Diversity 10 p (BI2290), Diversity and Phylogeny of Organisms 15 hp (BL2002), Diversity and Phylogeny of Organisms, Without Experimental Animals 15 hp (BL2004) and (BL2013) or the equivalents.

### **Misc**

The course is given as an individual course.

### **Required reading**

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