Department of Biology Education

Stockholm University

Syllabus

for course at first level

Evolutionary Biology, Introductory Course
Evolutionsbiologi, orienteringskurs

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	BL1004
Valid from:	Autumn 2007
Date of approval:	2006-10-18
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

Basic eligibility.

Course structure

Examination code	Name	Higher Education Credits
1004	Evolutionary biology	7.5

Course content

The course covers evolutionary theory, microevolutionary processes on molecular-, chromosome-, individual-, and population level, adaptation and selection, species concepts and speciation, macroevolutionary processes, phylogeny, theories about origin of life, and the evolution of organisms on earth.

Learning outcomes

It is expected that the student after taking the course will be able to:
• give an account of some general knowledge of the history of life on earth, of evolutionary problems, and of evolutionary explanation models on different levels within macro- and microevolution.

• show a basic understanding of how to apply evolutionary theory in different biological systems.

Education

The education consists of lectures, seminars and study visits.
Participation in seminars, study visits 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 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
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 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 may not be included in a degree together with the courses Evolution 5 p (BI6100), Diversity and Phylogeny of Organisms 13 p (BI2030), Diversity and Phylogeni of Organisms, Without Experimental Animals 13 p (BI2040), Evolution 10 p (BI3270) or the equivalents. A Bachelor degree from the Faculty of Science at Stockholm University may normally include a maximum of 15 hp (ECTS credits) from courses classified as “orientation” courses. Orientation courses may not be included among credits for a Master´s degree at the Faculty of Science, Stockholm University.

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.