

# Syllabus

for course at advanced level

**Evolutionary Ecology**

**Evolutionär ekologi**

**7.5 Higher Education**

**Credits**

**7.5 ECTS credits**

<b>Course code:</b>	BL7054
<b>Valid from:</b>	Autumn 2018
<b>Date of approval:</b>	2018-05-14
<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

Admission to the course requires knowledge equivalent to Ecology II 15 credits or Evolutionary biology 15 credits. Swedish upper secondary school course English B or equivalent.

## Course structure

<b>Examination code</b>	<b>Name</b>	<b>Higher Education Credits</b>
7054	Evolutionary Ecology	7.5

## Course content

The course covers evolution of life-histories in plants and animals, sexual selection, evolution of mating systems, animal interactions, reaction norms and plasticity. The course also treats co-evolution between species and ecology from a phylogenetic perspective.

## Learning outcomes

Upon completion of the course, students are expected to be able to:

- formulate and analyze questions within evolutionary ecology
- analyse local ecological processes from an evolutionary perspective
- analyze ecological patterns and processes from a phylogenetic perspective.

## Education

Instruction consists of lectures, seminars, exercises and project work. Participation in seminars, exercises, project work and any associated integrated instruction is compulsory. In the event of special circumstances, the examiner may, after consultation with the teacher concerned, grant a student exemption from the obligation to participate in certain compulsory instruction.

## Forms of examination

a. The course is examined as follows: Knowledge assessment takes the form of written examination and written and oral presentations.

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

b. Grades will be set according to a seven-point scale related to the learning objectives of the course:

A = Excellent  
B= Very good  
C = Good  
D = Satisfactory  
E = Adequate  
Fx = Fail, some additional work required  
F = Fail, much additional work required

c. The grading criteria will be distributed at the beginning of the course.

d. In order to pass the course, students must receive a passing grade on all course units and participate in all mandatory instruction.

e. Students who receive a failing grade on a regular examination are allowed to retake the examination as long as the course is still provided. The number of examination opportunities is not limited. Other mandatory course elements are equated with examinations. A student who has received a passing grade on an examination may not retake the examination to attain a higher grade. A student who has failed the same examination twice is entitled to have another examiner appointed, unless there are special reasons to the contrary. Such requests should be made to the department board.

The course includes at least two examination opportunities per year when the course is given. At least one examination opportunity will be offered during a year when the course is not given.

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 be conducted in accordance with this course plan even after it has ceased to be valid. However, this may not take place more than three times over a two year period after course instruction has ended. Requests must be made to the departmental board. The provision also applies in the case of revisions to the course plan (and the revisions of the course literature).

### **Limitations**

The course can not be included in a degree together with the course Evolutionary Ecology 7,5 hp (BL8017) or the equivalent.

### **Misc**

The course is a component of the Master's Programme in Biology, and it can also be taken as an individual course.

### **Required reading**

Course literature is decided by the departmental board and published on the course page in the online course catalogue at least two months before the start of the course.