

Syllabus

Blo6o8.1 Biology and Soil Science, 15.0 credits

Biologi och markvetenskap

The course is given as course independent of study programme

Syllabus discontinued 13 November 2007

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

22 June 2005

The version applies to students admitted from spring 2005 to autumn 2008

The version is not a module version

Subjects

Biology/Soil science

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	15.0

Advanced study in the main field

Grading scale

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

Swedish

Prior knowledge

Knowledge corresponding to the course Environmental Ecology 10 SUC.

Objectives

The student should be able to describe the most important life processes of plants, animals and micro-organisms, on cellular-, organism- and ecosystem level. The student should also be able to describe the main processes in the abiotic environment, and finally also those interactions between abiotic factors and organisms, and between different organisms, which characterize a soil ecosystem.

Content

Basic

- ecology (ca 2 SUC)
- anatomy and physiology of vascular plants, including photosynthesis, uptake and transport of water and minerals, growth and development (ca 3 SUC)
- microbiology (ca 1 SUC)
- climatology (ca 1 SUC)
- soil science, including geology, hydrology, biogeochemical cycles of macronutrients, and soil formation (ca 3 SUC)
- case studies

Implementation

During the course case-studies related to environmental topics will be performed. The students will collect facts to solve given problems, by help from resource persons, lecture books and the library.

Excursions and excercises ca 40 h (compulsory)

Lectures ca 50 h

Group meetings ca 15 h (compulsory)

Seminars ca 20 h

Examination

Requirements for examination

Written examinations.

Approved written examinations and participation at compulsory parts.

- If the student fails a test, the examiner may give the student a supplementary assignment, provided this is possible and there is reason to do so.
- If the student has been granted special educational support because of a disability, the examiner has the right to offer the student an adapted test, or provide an alternative assessment.
- If changes are made to this course syllabus, or if the course is closed, SLU shall decide on transitional rules for examination of students admitted under this syllabus but who have not yet passed the course.
- For the examination of a degree project (independent project), the examiner may also allow the student to add supplemental information after the deadline. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Additional information

- The right to take part in teaching and/or supervision only applies to the course date to which the student has been admitted and registered on.
- If there are special reasons, the student may take part in course components that require compulsory attendance at a later date. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

Responsible department

Department of Forest Ecology and Management

Cooperating departments:

Department of Forest Genetics and Plant Physiology

Supplementary Information

Finalized by: Grundutbildningsnämnden, Fakulteten för skogsvetenskap

Biology Area: Other Biology Courses

Replacement course: BI4227