

Syllabus

BIO696.1 Forest Health and Protection, 7.5 credits

Skogens hälsa

The course is given as course independent of study programme

Syllabus discontinued 9 December 2008

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

30 November 2006

The version applies to students admitted from autumn 2007 to autumn 2009

The version is not a module version

Subjects

Biology

Education cycle

First cycle

Modules

Title	Code	Credits
Single module	0101	7.5

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

The equivalent of 30 ECTS basic courses in Biology.

Objectives

After finishing the course students should

- understand the ecology of economically important forest pest species of fungus, insects and mammals.
- explain how they affect forests and trees in northern European productive forests.
- recognize and understand abiotic damages caused by e.g. wind, snow and air pollutions.
- know how silviculture can minimise both abiotic and biotic damages in productive forests
- be trained in basic laboratory techniques, e.g. microscope and fungus growing techniques, and identification of pest species.

Content

- Forest pest species
- Tree resistance and defence
- Abiotic and biotic stress
- Pest species as ecological disturbance
- Population estimates of pest species
- Silviculture and forest health and protection
- Forest pest control
- Conservation biology and forest health and protection
- Laboratory techniques

Implementation

Timetabled activities:

Lectures ca. 25 h

Field excursions ca. 10 h

Seminars and laboratory projects ca. 50 h (compulsory)

CASE-projects ca. 20 h
Individual studies
Literature studies ca. 95 h
Total ca. 200 h

Examination

Requirements for examination

Written examinations, participation in seminar-, project- and field work.

Approved examination according to the criteria listed above. Participation in both laboratory projects, excursions and CASE projects.

- 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

Supplementary Information

Finalized by: Programkommitté skog och mark

Biology Area: Other Biology Courses

Replacement course: BI4284