

Syllabus

BI4095.1 Breeding, Seed Supply and Genetic Consequences of Forestry, 7.5 credits

Förädling, fröförsörjning och genetiska effekter av skogsbruk

The course is given as course independent of study programme

Syllabus discontinued 29 March 2005

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

26 May 1997

The version applies to students admitted from autumn 1999 to spring 2004

The version is not a module version

Subjects

Biology/Forest Management

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: 20 Swedish University Credits (SUC) in Biology; or 20 SUC in Forest Management

Objectives

To give the students knowledge of general principles in plant breeding and the specific nature of forest tree breeding and also to provide the ability to discuss genetic aspects on silviculture and decisions in forestry.

Content

- Quantitative genetics and prediction of genetic effects
- Methods to estimate genetic parameters
- Inbreeding and relatedness
- Characterisation of various cultivation materials
- Breeding, Swedish forest tree breeding and international perspectives
- Mass propagation
- Seed sources and seed supply for Swedish forestry
- Effects of silviculture and man on the genetics of forests

Implementation

Lectures ca 35 h

Training exercises ca 12 h (compulsory)

Excursions ca 20 h (compulsory)

Seminars ca 25 h (compulsory)

Examination**Requirements for examination**

Written or oral examination and seminar.

Approved examination and seminar. Participation in exercises, excursions and seminars.

- 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 Genetics and Plant Physiology

Supplementary Information

Finalized by: Programnämnden för skogsvetarprogrammet
Biology Area: Other Biology Courses