

Syllabus

BI4235.1 Biology and Structure of Wood, 7.5 credits

Vedens struktur och biologi

The course is given as course independent of study programme

Syllabus discontinued 23 September 2003

Version 1 in Slukurs. Corresponds to version 1 in Ladok

Syllabus approved

25 October 1999

The version applies to students admitted from spring 2000 to autumn 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: 40 Swedish University Credits (SUC) of basic (A-level) and intermediate (B-level) courses in Biology; or 40 SUC of basic and intermediate courses in Forest Management.

Objectives

To give an advanced biological view on wood and fibres, that may be applied to the production and use of wood as a source for industrial use.

Content

- Chemistry of wood and fibres
- Structure and function of wood cells
- Wood fibre ultrastructure
- Wood formation
- Biological mechanisms underlying wood variations
- Influence of environment and forest management on wood properties
- Breeding for wood properties
- Techniques for wood and fibre characterisation

Implementation

Lectures ca 40 h

Group discussions ca 20 h

Laboratory work ca 20 h

Seminars ca 10 h

Excursions ca 10 h

Examination**Requirements for examination**

Written examination

Approved written examination and participation in compulsory training.

- 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, Umeå

Biology Area: Other Biology Courses

Replacement course: BI4096 Vedbiologi