



Syllabus

MS4025.1 Inventory Methodology, 7.5 credits

Inventeringsmetodik

The course is given as course independent of study programme

Syllabus discontinued 28 October 2005

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 2006

The version is not a module version

Subjects

Mathematical Statistics/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) of basic (A-level) courses in Forest Management and 5 SUC of basic courses in Mathematical statistics i.e. MS4012, MS4013 or MS4014; or 20 SUC of basic courses in Mathematical statistics.

Objectives

The objective of the course is to provide participants with both theoretical and practical knowledge in inventory methodology for forestry and environmental applications. After the course, participants should be able to judge what inventory method is to be preferred in different situations.

Content

The course covers both theoretical and practical aspects of inventory methodology. In the theoretical part of the course, statistical methods for making inferences of important population parameters from sample surveys are covered. Also, methods for assessing the accuracy of estimates are treated. In the second part of the course, different applications of inventory methods in forestry, environmental monitoring, and also in social sciences, are described and applied during exercises. The focus of this part is, however, on forestry applications.

Implementation

Lectures ca 40 h

Exercises ca 30 h

Field exercises ca 15 h

Computer exercises ca 3 h

Examination**Requirements for examination**

Exercises, laboratory work and written examination.

Approved exercises, laboratory work and written examination.

- 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 Resource Management

Supplementary Information

Finalized by: Programnämnden för skogsvetarprogrammet, Umeå

Replacement course: MS4018 Samling och naturresursinventering, 5p