



Course syllabus

Faculty Board of Science and Engineering
School of Engineering

2TS373 Lövskogens skötsel, virke och förädling, 22,5
högskolepoäng

Broadleaved forest management wood and utilization, 22.5 credits

Main field of study

Forest and Wood Engineering

Subject Group

Forest Science

Level of classification

First Level

Progression

G2F

Date of Ratification

Approved by the Board of the School of Engineering 2009-12-15

Revised 2011-06-13. Review of Literature

The course syllabus is valid from autumn semester 2011

Prerequisites

Sustainable small-scale forestry continuation course (1TS012) or sustainable small-scale forestry continuation course part A (1TS122) and sustainable small-scale forestry continuation course part B (1TS032).

Expected learning outcomes

After completing the course students are expected to:

- be able to perform an analysis of a forest property's possibilities for hardwood production
- be acquainted with the most common management principles for Swedish deciduous trees with regard to timber production and recreation
- be familiar with, and able to find information on, geographical differences in sales of hardwood timber
- be familiar with, and able to find information on, differences in sales between various assortments of hardwood timber
- be familiar with, and able to find information on, price markets for hardwood timber
- be familiar with timber quality and the use and processing of timber
- be able to understand the challenges, needs and possibilities of the processing industry

Content

The course contains the following components:

- Deciduous trees, the uses of hardwood timber
- Geographical extension and growing stock
- Forest sites
- Biology, flowering, shoot growth, development, frost resistance
- Growth
- Stand management
- Timber quality
- Timber use
- Causes of damage, predators
- Assortments
- Localization of the industry
- Production
- The use of different types of wood
- Hardwood timber in other parts of the world

Type of Instruction

The course will primarily be given in distance format through the use of Internet and ICT technology, but it will also comprise get-togethers.

Some get-togethers may be mandatory; this will be stated well in advance. The get-togethers may consist of excursions, lectures, exercises, laboratory work, educational visits, and seminars.

Examination

The course is assessed with the grades U,3,4 or 5.

The assessment of student performances may take the form of written assignments, project work presentations and examinations. The examination can be both written and oral.

Course Evaluation

A written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the department.

Other

Certain elements on the course may result in expenses; these are paid for by the course participant.

Required Reading and Additional Study Material

Literature

Skogsstyrelsen, *Björk, Asp och Al – Föryngring, skötsel och naturvård*, Skogsstyrelsen 2006. 76 sidor.

Skogsstyrelsen, *Våra ädla lövträd*, Skogsstyrelsen, 2003. 319 sidor.

Nylinder, Woxblom och Fryk, *Ädellöv, virke och förädling*, 2006. 196 sidor.

Kompendier

Material provided by the department

Film