



## Course syllabus

Faculty Board of Science and Engineering  
School of Engineering

2TS993 Lövskog och förädling, 15 högskolepoäng  
Broadleaved and utilization, 15 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

### 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.

Examination forms that may occur are written examination, oral presentation, individual work and other written assignments.

### Course Evaluation

At the end of the course, a written course evaluation is performed and compiled into a report. The evaluation report is available to students and filed and stored according to departmental regulations.

### 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