



## Course syllabus

Faculty Board of Science and Engineering  
School of Engineering

2TS013 Hållbart familjeskogsbruk – Lövskog, 30 högskolepoäng  
Sustainable small-scale forestry, Broadleaved forest management, 30 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 and contents.

The course syllabus is valid from autumn semester 2011

**Prerequisites**

Sustainable Small-Scale Forestry continuation course or Sustainable Small-Scale Forestry

continuation course part A + Sustainable Small-Scale Forestry continuation course part B

### Expected learning outcomes

After completing the course the student is expected to be able to perform an analysis of the possibilities of a forest property

for hardwood production by being acquainted with the most common management principles for Swedish deciduous trees with regard to timber production and re-creation, be familiar with and find information on the geographical, assortment and price market for hardwood timber, as well as being familiar with competing production areas.

### Content

The course comprises the following elements:

- High-grade 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
- Industry localization, production, assortment
- The uses of different woods
- Hardwood timber in other parts of the world
- An individual project

## 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 will 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