



Course syllabus

Faculty Board of Science and Engineering
School of Engineering

4TS007 Skogsförnygring, 7,5 högskolepoäng
Forest regeneration, 7.5 credits

Main field of study
Forest and Wood Engineering

Subject Group
Forest Science

Level of classification
Second Level

Progression
A1N

Date of Ratification
Approved by the Board of the School of Engineering 2011-06-13

The course syllabus is valid from spring semester 2012

Prerequisites
Second level higher education qualifications and either Forestry basic course (1TS151), The wood Material (4TS003), or the equivalent.

Objectives

After completing the course students are expected to:

- be able to describe different aspects of plant improvement, in what ways this improvement has led to economic gains and what gains are to be expected in the future.
- be able to give a description of differences between various types of plants and to describe the cultivation of these plants.
- be able to describe different methods for planting, sowing and regeneration and to explain in what ways these methods differ.
- be able to describe different methods for pre-commercial thinning and to describe what impact each method will have on the future forest production in an area.

Content

The course contains the following components:

- genetics
- seed plantations
- plant school technology
- ground preparation
- planting
- plant protection
- sowing
- self-regeneration
- pre-commercial thinning

Type of Instruction

Teaching will take place during mixed daytime hours. Much of the course will be given in distance format through the use of Internet and ICT technology. The course will also comprise get-togethers. Access to a computer with internet connection is required – preferably broadband.

Examination

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

The assessment of student performances usually takes place during special examination periods. 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

Some elements of the course may entail costs defrayed by the course participant.

Required Reading and Additional Study Material

- Wennström, U., Johansson, K., Lindström, A. och Stattin, E. 2008. Produktion av frö och plantor. Skogsskötselserien del 2. Tillgänglig på: www.skogsstyrelsen.se/skogsskotselserien.
- Hallsby, G. 2009. Plantering av barrträd. Skogsskötselserien del 3. Tillgänglig på: www.skogsstyrelsen.se/skogsskotselserien.
- Karlsson, C., Sikström, U., Örlander, G., Hamnerz M. och Hånell, B. 2009. Naturlig förnygring. Skogsskötselserien del 4. Tillgänglig på: www.skogsstyrelsen.se/skogsskotselserien.
- Bergsten, U. och Sahlén, K. 2008. Sådd. Skogsskötselserien del 5. Tillgänglig på: www.skogsstyrelsen.se/skogsskotselserien.
- Fahlvik, N., Karlsson, A. och Pettersson, N. 2007. Røjning. Skogsskötselserien del 6. Tillgänglig på: www.skogsstyrelsen.se/skogsskotselserien.