



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PFS0025 Swedish Forest Technology, 4.5 credits

Syllabus approved

2007-02-05

Subjects

Technology

Education cycle

Third cycle

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

English

Prior knowledge

Enrolled as a Ph D student in forest technology, forest management, silviculture or related subjects.

Objective, including learning outcomes

The course aim to give an overview of the technology used in Sweden for the wood flow from stand to industry on a rather qualified level giving the present state of knowledge.

Content

- The machine (harvester, forwarder, harwarder)
- The machine and environment (damage, emissions, oil etc)
- Man (organisation, ergonomics etc)
- CTL-method, deliveries and operational planning
- Work studies
- Machine costs and productivity
- Forest roads and soil mechanics
- Road transports and logistics
- Future development and R&D, robotics etc, Discussion and summary

Requirements for examination

Home task

Additional information

The course is given by an Environmental Certified Department (ISO 14001).

Responsible department

Department of Forest Resource Management