



## SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES

Department of Southern Swedish Forest Research Centre

### Syllabus

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#### **Forest Regeneration**

##### ***Skoglig förnygring***

7.5 Credits

Code: SV0057

Finalized by: Ordföranden för programnämnden för utbildning inom skog (PN-S), 2023-12-22

Valid from: Autumn semester 2025 (2025-09-01)

Level within study regulation: Second cycle

Grading scale: TH Four-grade scale, digits

Main field of study with advanced study: SBV Forestry Science - A1N Second cycle, has only first-cycle course/s as entry requirements

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#### **Programme board**

PN-S The programme board for education in forestry

#### **Language**

ENG English

#### **Forestry science sub-area**

Natural processes 7,5 credits

#### **Entry requirements**

The equivalent of

120 credits

60 credits within one of the following subjects/main fields of study

- forestry science

- forest science
- forest management
- biology
- environmental sciences
- natural resource management

English 6.

## Objectives

The purpose of the course is to present a comprehensive overview of the complete chain of forest regeneration, and to give the students insight in the complexity of regeneration methods in Scandinavian forestry.

After completing the course, students should be able to

- discuss and critically examine the characteristics and limitations of different regeneration methods used in contemporary forestry in Scandinavia
- describe and analyse different regeneration methods, from a perspective of forestry as part of a sustainable development
- describe experimental designs and develop forest regeneration trials, as well as analyze and evaluate forest regeneration trials
- measure and evaluate seedlings growth and vitality.

## Content

During the course, the complete chain of forest regeneration is studied, from seed to established trees. New findings and insights in regeneration methods, seedling types, planting- and site preparation techniques will be discussed, and evaluated in relation to plant ecophysiology, site factors, climate change and multiple management objectives. The course also provides knowledge in design of regeneration experiments and in the techniques to measure seedling vitality and growth.

To further student learning and promote discussion, a variety of methods are used: Lectures, literature studies, exercises, (written/oral) assignments, project work, study visits, seminars, field exercises, excursions, presentations.

The course focuses on the following generic competencies: Problem solving, scientific methods, critical thinking, plan and manage time, creativity, teamwork but also ability to work autonomously.

**The following course components are compulsory:** Group activities, field excursions, study visits.

## Examination formats

Passed written examinations.

Approved written exercises.

Completed compulsory components.