



P000107, Ecology and Sustainable Management of Forest Ecosystems , 3.0 Hp

Syllabus

Finalized by: Finalized by: Maja Sundqvist , 2024-12-10, 2024-12-10

Level within study regulation:

Third cycle

Grading scale:

Pass / Failed

Course language:

Swedish

Entry requirements:

Admitted to PhD education at SLU within the topic of biology, forest management or soil science, or admitted to PhD education at another university within the same or an equivalent topic (e.g. ecology).

Objectives:

After the completion of the course the students are expected to be able to:

- Critically analyze and discuss ecological theory on forest ecosystem processes, and apply these to current forest management perspectives.
- Apply ecological theory and scientific evidence to generate and analyze scientific research questions within future sustainable forest management, and describe research approaches that can address these questions.

- Critically analyze the connection between forest research and current management approaches.
- Apply scientific knowledge on today's debates about forestry methods and societal demands on forests.

Content:

The course will be run for two weeks and consist of lectures, seminars, and student presentations out of which some are obligatory. The course will also include literature reading assignments and student group work tied closely to the obligatory elements of the course.

The course will give an introduction to historical perspectives of forest management in Sweden, to ecological theory in forest research and management, and how this ties to current research areas within this field. The students will develop understanding of how theory, historical land-use, scientific and societal developments ties to ongoing research in forest ecosystems ecology and management. A strong focus will be on current questions and challenges for sustainable forest management and forest stakeholders, and how research can provide answers to the most important questions in forestry. The course will focus on the boreal forest, but will include examples from other biomes.

Modes of assessment:

Pass on oral assignments and student presentations, and presence and active participation in lectures, seminars and group work activities. - If a student has failed an examination, the examiner has the right to issue supplementary assignments. This applies if it is possible and there are grounds to do so.

- The examiner can provide an adapted assessment to students entitled to study support for students with disabilities following a decision by the university. Examiners may also issue an adapted examination or provide an alternative way for the students to take the exam.
- If this syllabus is withdrawn, SLU may introduce transitional provisions for examining students admitted based on this syllabus and who have not yet passed the course.
- For the assessment of an independent project (degree project), the examiner may also allow a student to add supplemental information after the deadline for submission. Read more in the Education Planning and Administration Handbook.

Organisation:

Department of Forest ecology and Management

Supplementary information

Other information:

- The right to participate in teaching and/or supervision only applies for the course instance the student was admitted to and registered on.
- If there are special reasons, students are entitled to participate in components with compulsory attendance when the course is given again. Read more in the Education Planning and Administration Handbook.