

P000132, Ecophysiological concepts and applications in forests, 7.5 Hp

Syllabus

Finalized by: Finalized by: FUN, 2025-02-11, 2025-02-11

Level within study regulation:

Third cycle

Grading scale:

Pass / Failed

Course language:

Swedish

Entry requirements:

Admitted to a PhD program.

Objectives:

After completing the course, students should be able to:

- **Judge** how an ecophysiological approach can be applied to a forest-related topic of interest to them.
- **Explain** common measurement techniques and corresponding data analysis.
- **Discuss** how ecophysiological variables may be used in modelling of forest growth.

Content:

4-week journal club

The first section is a literature study, which can be attended remotely. This corresponds to ca 4 weeks, where each week is dedicated to a theme, and students will read selected literature, complete individual assignments, and prepare to discuss the theme in a teacher-led online seminar at the end of the week.

2-week field period

After this, there is a field period of ca 2 weeks, where students and the team of teachers meet in person (check specific course instance for information about the location). During the field period, indoor classes will be complemented by outdoor practical exercises and excursions, and it will conclude with a final examination exercise for the course.

The team of teachers are qualified scientists within a diverse range of fields corresponding to the various topics in the course. The venue and geographical location of the field period may vary between course instances, demonstrating how ecophysiological research approaches can be applied to various forest types and to facilitate scientific networking for participating students. During the field-period the course is organized in collaboration with institutions responsible for the visited research infrastructures.

Modes of assessment:

Active participation in online seminars and mandatory participation to lectures/excursions/exercises during the field period. Approved exercises and assignments, including the final course assessment (individual written task and group exercise). - 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.