Linnæus University

Dr: 2022/1716-3.1.2.2

Course syllabus

Faculty of Technology

Department of Forestry and Wood Technology

2TS11E Skogs- och träteknik, examensarbete (ingenjör), 15 credits
Forest and Wood Engineering, Degree project (engineering)

Main field of study
Forest and Wood Engineering

Subject Group
Forest Science

Level of classification
First Level

Progression
GXX

Date of Ratification
Approved by Faculty of Technology 2022-04-18
The course syllabus is valid from spring semester 2023

Prerequisites
120 credits within the programme Forest and Wood Engineering of which at least 15 credits at G2F level and Methodology course forestry and wood technology, 7,5 credits or equivalent.

Objectives

After completing the course, the student should be able to:

- demonstrate in-depth knowledge in any area of forest and wood engineering
- demonstrate the ability to evaluate and critically review knowledge in the field of forest and wood engineering
- demonstrate ability to define and manage research problem within the chosen field of engineering
- demonstrate the ability to plan and implement a larger task with given timeframe
- demonstrate the ability to search, select method, use and critically review scientific sources
- demonstrate the ability to analyze and evaluate the results of the project work in relation to the knowledge basis and proven experience of the engineering field
- demonstrate the ability to write a scientific essay in accordance with the model for technical report writing
- demonstrate the ability to give an oral presentation of their work and defend it

- demonstrate the ability to perform a critical and systematic opposition to a degree project in the same field of engineering
- demonstrate the ability to identify needs for further knowledge.

Content
The course comprises the following elements:

- Theoretical part containing choice of methods, literature search and source criticism
- Problem formulation
- Data acquisition, data processing, analysis and results
- Report writing
- Compulsory written and oral halftime seminar
- Compulsory written and oral presentation of own degree project at the end of the course
- Compulsory opposition at the presentation of another degree project
- Compulsory submission of the degree project electronically to the department and university library

Type of Instruction
The teaching consists of independent work, individually or in group up to 2 persons, with the support of lectures, supervision and compulsory seminars. For group assignments, the student should report on individual efforts.

The department superior’s efforts are limited and take place during course’s regular semester. Exceptions may be granted by the department.

Participation at seminars, presentations and oppositions is mandatory. Mandatory meetings are shown in the schedule.

Examination
The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Assessment of student’s performance is done through four test elements. For the grade pass, the course objectives must be achieved, i.e. the student must have obtained passing result on all the exam elements.

- Project planning, 1.0 credit (U/G)
- Opposition on another degree project, 1.0 credit (U/G)
- Oral presentation and defense of the work, 1.0 credit (U/G)
- Written scientific report, 12 credits (U/G/VG)

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

Course Evaluation
During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of

the course. The course evaluation is to be carried out anonymously.

Other

Certain course elements may entail costs that have to be defrayed by the students.

Required Reading and Additional Study Material

Required reading

Björklund, Maria & Paulsson, Ulf. Seminarieboken Att skriva, presentera och opponera. Studentlitteratur, (latest edition), 147 pages.

Patel, Runa & Davidson, Bo. Forskningsmetodikens grunder. Att planera, genomföra och rapportera en undersökning, Studentlitteratur AB, ISBN 9789144068688, 149 pages.

Schött, Kristina, Melin, Lars, Strand, Hans & Moberg, Bodil. 2007. Studentens skrivhandbok, Liber AB, ISBN 9789147084593, 176 pages.

Other literature chosen in consultation with the tutor.