



Course syllabus

Faculty of Technology

Department of Forestry and Wood Technology

4TS011 Teknisk försöksplanering och metodik, 7,5 högskolepoäng
Methodology and Planning of Technical Research Projects, 7.5
credits

Main field of study

Forest and Wood Engineering

Subject Group

Other Subjects within Technology

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved 2017-03-20

Revised 2014-10-03 by Faculty of Technology. Change of examination.

The course syllabus is valid from autumn semester 2017

Prerequisites

Knowledge corresponding to English B together with a exam of 180 ECTS in a technical subject.

Objectives

The student shall be able to:

- Express goals and limitations for research projects.
- Choose and account for different methods.
- Account for earlier research of relevance to a specific project.
- Carry out advanced projects.
- Present results orally.
- Write scientific/technical reports.

Content

The course includes:

- Planning of technical project
- Scientific theory
- Research methodology
- Research ethics
- Searching for references
- Writing scientific articles and report
- Oral presentation techniques

Type of Instruction

The education is through lectures, laboratory work and exercises. For distance students, a computer with Internet access is necessary.

Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

The examination is based on exercises, submitted reports and oral exam.

Course Evaluation

A course evaluation will be carried out and compiled after the course is completed. The compilation will be presented to the current board as well as to the students and filed.

Credit Overlap

This course cannot be part of a degree in combination with another course in which the content fully or partly correspond to the content of this course: The course overlaps 4SE306 and 4BY063. 4TS001 Methodology and planning of technical research projects, 7,5 hec

Other

Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

Required Reading and Additional Study Material

Björk, Lennart A. & Räisänen, Christine (2003). Academic writing: a university writing course. 3. [rev.] ed. Lund: Studentlitteratur. ISBN: 91-44-03074-6

Booth, Wayne C., Colomb, Gregory G. & Williams, Joseph M. (2008). The craft of research [electronic resource]. 3rd ed. Chicago: University of Chicago Press. ISBN: 0-226-06264-3

Chalmers, Alan F. (1999). What is this thing called science?, 3. ed. Indianapolis : Hackett Pub, cop. ISBN 0-87220-452-9

Graziano, Anthony M. & Raulin, Michael L. (2010). Research methods: a process of inquiry. 7th ed. Boston: Allyn and Bacon. ISBN: 978-0-205-63745-4

Yin, Robert K. (2009). Case study research: design and methods. 4. ed. London: SAGE. ISBN: 978-1-4129-6099-1