



Course syllabus

Faculty of Technology

Department of Building Technology

4BY363 Vetenskaplig metodik och planering, 7,5 högskolepoäng
4BY363 Scientific Methodology and Planning, 7.5 credits

Main field of study

Civil Engineering

Subject Group

Building Technology

Level of classification

Second Level

Progression

A1N

Date of Ratification

Approved by Faculty of Technology 2015-05-08

The course syllabus is valid from spring semester 2016

Prerequisites

English B. Bachelor of Science within technology.

Objectives

After this course students should be able to:

- Formulate aim and scope of projects within research and development
- Choose and present methods of research
- Give an account of previous research of relevance for a specific project
- Carry through advanced projects
- Present results orally
- Present results in academic/technical reports.

Content

The course consist of the following parts:

- Theory of science and research
- Experimental planning
- Literature search
- The process of writing academic/technical reports
- Exercises in oral presentation

Type of Instruction

The teaching consists of lectures, exercises and project work. Some elements are compulsory. The extent of the compulsory elements is announced by the examiner at the start of the course.

Examination

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

The assessment of student performances is usually based on submitted reports and exercises. Oral examination may also be included.

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).

In order to pass, the objectives of the course should be achieved.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 4BY063, 7,5 credits

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

Required reading

Literature is provided by the department

Academic papers and theses - to write and present and to act as an opponent, Maria Björklund & Ulf Paulsson, 2014

Reference Literature

The Student's Guide to Writing -Spelling, Punctuation and Grammar, John Peck & Martin Coyle, 3rd ed, 2012