



LUNDS UNIVERSITET  
Lunds Tekniska Högskola

*Course syllabus*

# Byggprocessen och projektledning Construction Process and Project Management

**VBEF05, 7,5 credits, G2 (First Cycle)**

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED V

Date of Decision: 2023-03-21

## General Information

**Main field:** Technology.

**Elective Compulsory for:** L3

**Language of instruction:** The course will be given in Swedish

## Aim

This course aims at giving the students knowledge and understanding concerning the actors, rules and legislation and processes that needs to be addressed in planning, production, running and maintenance of a building. Furthermore the course aims at giving basic knowledge about project management and project organisation.

## Learning outcomes

*Knowledge and understanding*

For a passing grade the student must

- Knowledge about the different stages in the construction process from the perspective of the construction client
- Knowledge about the actors that participate in the different stages of the construction
- Knowledge about the rules and legislations concerning the construction process
- Learned basic concepts in project management
- Obtained a basic understanding for the management and organisation of property development
- Obtained knowledge about the role of a project manager
- Knowledge of how projects are initiated, organised and implemented
- Understanding of different processes within a project and about the difficulties that can

arise in a project group

### *Competences and skills*

For a passing grade the student must

- Development a basic ability of managing projects
- Knowledge about handling methods for planning a project by, for a property development project, integrate the definition of project scope, time, cost, human resources, quality, communication, risk and procurement

### *Judgement and approach*

For a passing grade the student must

- Developed their awareness and personal attitudes about projects as a working method with special focus on property development projects
- Formulate and evaluate relevant aspects concerning the construction process

## **Contents**

In general the subject focuses on the construction process as a whole. Specific focus of will be on project planning techniques, scheduling, cost control, forms of contract, financing and quality management. The course will be based on a case fore analysis of processes, theory is given by lectures and literature. In the case assignment the student will apply project management principles for a property development project.

## **Examination details**

**Grading scale:** TH - (U,3,4,5) - (Fail, Three, Four, Five)

**Assessment:** To achieve passing grade following are need: passed written exam and passed project assignment and compulsory seminars. The exam will be a home exam with open books.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

## **Admission**

**The number of participants is limited to:** No

## **Reading list**

- Hansson B et al.: Byggläning: Projektering. Studentlitteratur, 2015, ISBN: 978-91-44-10572-7.
- Course compendium from the Division of Management.

## **Contact and other information**

**Course coordinator:** Stefan Olander, stefan.olander@construction.lth.se

**Course administrator:** Kolbrun Arnadottir, kolbrun.arnadottir@construction.lth.se

**Course homepage:** <http://www.bekon.lth.se/utbildning/grundutbildning/>

**Further information:** Compulsory seminars is part of the course.