



*Course syllabus*

# Byggledning Construction Management

**VBEN15, 7,5 credits, A (Second Cycle)**

**Valid for:** 2023/24

**Faculty:** Faculty of Engineering, LTH

**Decided by:** PLED V

**Date of Decision:** 2023-03-21

## General Information

**Elective for:** V5-hb, V5-bf

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

## Aim

The subject aims to expose students to the overall picture of construction process and the link between different parties and give added knowledge on the role of a project manager. Students undertaking this subject will be able to develop their personality and attitude towards construction management and gain confidence in their competencies.

## Learning outcomes

### *Knowledge and understanding*

For a passing grade the student must

know how to manage the administrative work needed in the early stages of a construction project.

know how to conduct necessary analysis about budgeting, planning and procurement.

### *Competences and skills*

For a passing grade the student must

- Organize, manage, lead and plan a normal construction project.
- Perform production calculation in different stages and carry out appraisals for uncertain factors.

- Evaluate normal construction project economic conditions.

### *Judgement and approach*

For a passing grade the student must

- manage a tendering process with contractors
- accumulate relevant facts and data to aid report writing or reporting orally.
- assess which public authorities contact must be established in a given situation.

## Contents

This subject will train students on the practical aspects of managing a project based on project charter, planning and project information. Students will also learn how to instill close working collaboration between the clients, the entrepreneurs, the public authorities and all parties involved.

## Examination details

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

**Assessment:** Examination will be based upon group work. Oral presentation and written report of project documentation which comprises of project planning, inquiries basis and final report, and also individual project diary.

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

### **Admission requirements:**

- VBEF10 Real Estate Management or VBEN01 The Role of the Construction Client
- VBEF15 Technique for Construction Management or VBFF01 Energy Efficiency and Indoor Environment

**Assumed prior knowledge:** VBFN10 Design concerning Energy, Air Movements and Moisture in New Buildings

**The number of participants is limited to:** 25

**Selection:** Completed university credits within the programme. Priority is given to students enrolled on programmes that include the course in their curriculum.

## Reading list

- Hansson B m fl: Byggläring, Projektering. Studentlitteratur, 2015, ISBN: 978-91-44-10572-7.

## Contact and other information

**Course coordinator:** Henrik Szentes, [henrik.szentes@construction.lth.se](mailto:henrik.szentes@construction.lth.se)

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

**Further information:** Some parts of the course may be taught in English. Alternative

course requirements for: L: VBEF05 Construction Process and Project Management  
and VBEF10 Real Estate Management.