



Course syllabus

Byggproduktion Technique for Construction Management

VBEF15, 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

Elective for: V4-hb, V4-bf

Language of instruction: The course will be given in Swedish

Aim

The subject aims in increasing the awareness of market for construction companies, business concept, leadership management, organisation, economy, quality and environmental system and strategy. Furthermore essential knowledge are important to enable construction projects to be carried out with regard to time and resource planning, quality assurance, safety, tendering and production calculations etc. that takes place in a construction company. Overall the aim of the subject is to cultivate leadership qualities and administration of production of construction projects.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- Students must develop knowledge regarding the management of construction projects.
- Students must be able to interpret tender document and draw up a tender.

Competences and skills

For a passing grade the student must

- Plan a normal construction project with respect to the demand of the working environment.

- Establish production calculation in the early stage and evaluate uncertain factors
- Determine the right level of quality and environmental plan.

Judgement and approach

For a passing grade the student must

- Understand construction companies' situation in a given market.
- Accumulate relevant factors and be able to report both orally and in written form for an on-going construction project.
- Assess dispute in a construction project and how to tackle it.

Contents

In general the subject focuses on the construction process as a whole. Specific emphasis will be on time scheduling and cost control during construction process. In addition project monitoring, quality assurance, leadership qualities and company management will also be taught

Examination details

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

Assessment: In order to obtain a passing grade, a passed written exam and approved written assignments are required. The final grade is based on the exam result.

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:

- VBEA10 The Construction Process

Assumed prior knowledge: VBFA01 Building Technology and Building Services and VBEF01 Project Management.

The number of participants is limited to: No

Reading list

- Hansson B m fl: Byggläring - produktion,. Studentlitteratur, 2017, ISBN: 978-91-44-10573-4.
- Hansson et. al.: Byggläring - produktion, övningsbok. Studentlitteratur, 2017, ISBN: 978-91-44-10569-7. Course Material from the Department.
- AB 04, Svensk Byggtjänst.

Contact and other information

Course coordinator: Rikard Sundling, rikard.sundling@construction.lth.se

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

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

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