



Course syllabus

Byggprojektledning Project Management in Construction

VBEF25, 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

Compulsory for: IBYA3

Language of instruction: The course will be given in Swedish

Aim

The course aims to provide basic knowledge in project management. At project level, the course furnish students with comprehension on managing a project, formulation of project goals, project planning, project performance, project control and project assessment. Thereby, allowing increase knowledge in management and organization of project work and group process, leadership and ethic.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- able to explain and apply basic concept in project management,
- gain understanding on leadership and ethic at the same time are aware of the conditions that incorporate the management and organization of construction project,
- familiarise with the relevant management and planning efforts during the different phases of the construction project.

Competences and skills

For a passing grade the student must

- able to apply relevant project management methodology for a construction project,
- able to compose a project management plan for a construction project,
- able to analyse, document and communicate the planning of a construction project.
- have the knowledge how team work can influence the project success and climate

Judgement and approach

For a passing grade the student must

- acquire the engineering viewpoint of the construction process and the industry actors and their roles, responsibilities and cooperation throughout the construction process.
- gain an understanding of the contributions of the industry's actors in different discipline. For example the architect and the engineer's respective work and opinions in the project group and the demand for their cooperation
- have the ability to apply the project management knowledge and team work into practical case

Contents

The course focuses on the basic project management methodology that is used for managing a project. The basic project management methodology applied for a construction project is based on the conditions set upon by the users, client, the market condition and the society. Thereby, the course will incorporate the following subject areas: project management, leadership, ethic, scope, goals setting, organization, stakeholders' management, activity and time planning, budgeting, risk management, procurement, documentation, environmental management and quality assurance. These inputs lead to increase of knowledge and skills required to compose a project management plan and apply the basic project management methodology in a construction project.

The pedagogical idea and the overall goal for the course serie (VBEF25-VBEF40) is to give students an insight and understanding for the construction industry's working condition through students' project work which is linked to an actual construction project in the region. Lectures, exercises and course material support the ongoing case work and relate to the detail parts in general. Great emphasis lies in the integration of education of an overall view of the detailed parts. The course deals with standard and determined associated to the detailed parts. The practical inputs in the course is strengthened through invitations of guest lecturers from the construction management companies

Examination details

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

Assessment: Passing mark will be based on graded exams, project assignments, seminars participation and supplementary document. Final grades will be granted only when all assignments, seminars and project work meets the passing grades. The final grade will be based on 50% of project assignment and 50% of written examination.

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:

- VBEA20 The Construction Process with Business Economy or VBEA25 Construction Process and Construction Law

Assumed prior knowledge: ABV620 Housing Design or ABVA05 Housing Design

The number of participants is limited to: No

The course overlaps following course/s: VBE675

Reading list

- Hansson B, Olander S, Landin A, Aulin R & Persson U: Byggläsnin, Projektering. Studentlitteratur AB, Lund, 2015, ISBN: 978-91-44-10572-7.

Contact and other information

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

Further information: The course is related to the courses VBEF30, VBEF35 OCH VBEF40. Compulsory parts of the course may occur. Some parts of the course may be taught in English.