

**SYLLABUS**

# **Construction Management II 7.5 credits W7010B**

**Byggstyrning och -ledning**

**Course syllabus admitted: Autumn 2024 Sp 1 - Present**

**DECISION DATE  
2024-02-14**

# Construction Management II 7.5 credits W7010B

## Byggstyrning och -ledning

### Second cycle, W7010B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Byggproduktion	Building Technology

## Entry requirements

Basic understanding about the building process and the role of construction in the building process and planning and management of building projects equivalent to the courses P0001B Construction management and P0007B Project management.

## Selection

The selection is based on 30-285 credits

## Course Aim

After completed course, the student should be able to:

- Describe the construction process of today, model-based construction and risk management
- Describe and apply basic concepts of leadership, communication, group development and decision-making
- Describe and apply basic lean construction

## Contents

The course covers how you manage and develop part of the construction process for building and civil engineering projects and gives knowledge about modern enabling tools.

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The course contains a number of theory lectures where an introduction to the construction process of today, lean construction, leadership, risk management and model-based cost estimation and scheduling is given. The leadership part also features a practical assignment. The students work in smaller groups in a project with planning and cost estimation and use the theory from the lectures to try different concepts and reflect on pros and cons of those. The course ends with a seminar.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. The examination consists of a project and theoretical tasks. The entire course is graded U 3 4 5. The system is described in detail in the study guide that will be distributed at the beginning of the course. Compulsory participation applies for the practical assignment in leadership, the guest lectures and the final seminar.

## Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

## Course offered by

Department of Civil, Environmental and Natural Resources Engineering

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0003	Theoretical assignment	U G#	2.5	Mandatory	S20	
0004	project assignment	U G#	5	Mandatory	S20	

## Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

## Last revised

by Assistant Director of Undergraduate Studies Eva Gunneriusson, Department of Civil, Environmental and Natural Resources Engineering 2024-02-14

## Syllabus established

by Assistant Director of Undergraduate Studies Eva Gunneriusson, Department of Civil, Environmental and Natural Resources Engineering 2019-02-14