

**SYLLABUS**

# **Architectural Building Planning 7.5 credits F7007B**

**Arkitektonisk byggnadsprojektering**

**Course syllabus admitted: Autumn 2023 Sp 1 - Present**

**DECISION DATE  
2021-02-17**

# Architectural Building Planning 7.5 credits F7007B

## Arkitektonisk byggnadsprojektering

### Second cycle, F7007B

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Arkitektur	Architecture

## Entry requirements

P0007B Byggprojektledning and F0012B Conceptual Design or corresponding courses.

## Selection

The selection is based on 30-285 credits

## Course Aim

The goal of the course is to understand, manage and discuss complex concepts used in the construction process in project management stage and be able to design a building with respect to regulatory requirements and understand the importance of details to the whole.

Knowledge about

- Project management process in implementation stage
- How regulatory requirements, technology and economy affect the architect's creative work

Understanding of

- What are the factors that affect the construction economy (/financing of construction)
- How BIM is used as a planning tool

Skill and ability to

- Building design based on previous construction program
- Develop solutions that meet the official requirements of the building permit stage
- Perform daylight studies and calculate solar heating loads for a dwelling and propose a design that meets set requirements
- Use Building Information Model (BIM)
- Planning building permit documents
- The project is part of a construction document and demonstrates knowledge of how a construction document as a whole is designed
- Motivate choices based on a functional, aesthetic, technical, economic and sustainable perspective and reflect upon its consequences.

## Contents

The course applies the aggregated content of the previous courses undertaken by the students, into a design project in the implementation stage. The project work pertains to complex buildings containing several functions that provide different requirements for building design.

## 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 will be carried out through lectures and tutorials along with assignment seminars.

## 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. Written and oral presentation of individual project work during practice sessions and final presentation. 80% attendance at lectures and tutorials with supervision and mandatory attendance at seminars and presentations of project work.

## 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
0004	Construction document with financials	G U 3 4 5	4	Mandatory	A13	
0005	Construction document	G U 3 4 5	3.5	Mandatory	A13	

## 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 2021-02-17

## Syllabus established

by Eva Gunneriusson 2012-03-14