

SYLLABUS

Architectural Building Programming 7.5 credits F7008B

Arkitektoniskt byggnadsprogram

Course syllabus admitted: Autumn 2024 Sp 1 - Present

**DECISION DATE
2024-02-14**

Architectural Building Programming 7.5 credits F7008B

Arkitektoniskt bygnadsprogram

Second cycle, F7008B

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

Entry requirements

Selection

The selection is based on 30-285 credits

Course Aim

The goal of this course is to understand, manage and discuss complex concepts used in the early stages of the building design-to-construction process, along with comprehending the architect's creative work. In this course, students will acquire:

Knowledge about:

- Processes and methodologies to analyze the client's and society's needs and requirements, and then implement an architectural program to design a proposal that meets said requirements. (Module 0008)

Understanding of:

- Architectural program and iterative design process for mixed-use buildings. (Module 0008)
- The possibilities and limitations encountered in design and building construction. (Module 0006)

After completion of the course, students should have acquired the skills and ability to:

- (ILO 01): Analyze the site's opportunities based on user and business needs.
- (ILO 02): Present an architectural program for complex buildings.
- (ILO 03): Develop and design an architectural solution for a given architectural program.
- (ILO 04): Develop a system document for a building (drawings, renders, and area takeoffs).
- (ILO 05): Use Building Information Model (BIM) as a holistic tool for managing building data and project representation.

Contents

The course applies the aggregated content of the previous courses undertaken by the students into a more realistic scenario. 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 consists of lectures, workshops, and iterative design work running throughout the entire course. Tutored design studio sessions, along with related tasks and seminars (oral and written), conform the course's structure. Assignment are submitted via drawings, 3D models, sketches, posters and oral presentations performed mostly as groupwork.

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 in groups and individually during submission seminars and ongoing at design studios.

Code 0006. Individual assessment is based on individual tasks, quizzes, and workgroup performance. Grading scale G/U 3/4/5 (ILO 01, ILO 05)

Code 0008. Group assessment is based on workgroup results, presentations, and compliance with task requirements. Building design (drawings, written reports, renderings). Grading scale G/U 3/4/5. (ILO 02, ILO 03, ILO 04)

A minimum attendance of 80% for ordinary sessions (design studios and lectures) is required. Attendance is compulsory at seminars and presentation sessions.

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
0009	Individual assignments	G U 3 4 5	3	Mandatory	A24	
0010	Project work, group	G U 3 4 5	4.5	Mandatory	A24	

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 Eva Gunneriusson 2012-03-14