JÖNKÖPING UNIVERSITY
School of Engineering

COURSE SYLLABUS

History of Architecture and Reconstruction, 7.5 credits

Arkitekturhistoria och ombyggnad, 7,5 högskolepoäng

Course Code:	TAHK16	Education Cycle:	First-cycle level
Confirmed:	Sep 01, 2025	Disciplinary domain:	Technology
Revised:	May 18, 2026	Subject group:	Building Technology
Valid From:	Aug 31, 2026	Specialised in:	G1F First cycle, has less than 60 credits in first-cycle course/s as entry requirements
		Main field of study:	Civil Engineering

Intended Learning Outcomes (ILO)

On completion of the course the student shall:

Knowledge and Understanding

- demonstrate knowledge of Western architectural history and the development of building technology from the 1880s onward.
- demonstrate knowledge of materials and products as well as building technology solutions applied from the 1880s onward.
- demonstrate knowledge of current societal regulations for renovation.
- demonstrate knowledge of methods for analyzing and evaluating existing buildings to identify problems and opportunities before renovation.
- demonstrate comprehension of how societal developments—political, economic, aesthetic, and social factors—affect our relationship to the built environment.

Skills and Abilities

- demonstrate the ability to identify and analyze architectural characteristics in existing buildings and assess their importance in relation to renovation measures.
- demonstrate the ability to carry out a technical and cultural-historical analysis of an existing building as a basis for a renovation project.
- demonstrate the ability to design a renovation proposal based on technical and cultural-historical analysis, taking into account economic, ecological, and social aspects.
- demonstrate the ability to orally and in writing present and discuss information, problems, and solutions related to renovation projects.

Judgement and Approach

- demonstrate the ability to assess architectural heritage in relation to contemporary requirements and opportunities in renovation, and to identify, analyze, and evaluate technical factors that influence a renovation project.

Content

The course provides students with fundamental knowledge of the renovation process, including technical, economic, and social aspects.

The course includes the following elements:

- The historical development of architecture from antiquity to the present, divided into stylistic periods.
- The development of building technology regarding materials, products, and construction details from the 1880s onward.

- Property development and change management.
- Methods for technical analysis of existing buildings.
- Cultural-historical evaluation and conservation methods.
- Economic and ecological analysis methods, including LCA and LCC.
- Project assignment where problems and solutions are discussed and presented both orally and in writing.

Type of Instruction

Lectures and project work.

Language of instruction is Swedish or English.

Entry Requirements

General entry requirements and taken courses Building and Geotechnical Engineering, 7.5 credits, Structural Engineering 1, 7.5 credits, and Housing Design, 7.5 credits (or the equivalent).

Examination and Grades

The course is graded 5, 4, 3 or U.

The final grade for the course is based upon a balanced set of assessments. The final grade will only be issued after satisfactory completion of all assessments.

Registration of examination:

Name of the Test	Value	Grading
Project	4 credits	5/4/3/U
Examination	3.5 credits	5/4/3/U

Course Literature

Please note that the course literature may be revised up to eight weeks before the start of the course.

Plevoets, Bie and Van Cleempoel, Koenraad (2019), *Adaptive reuse of the built heritage* . Taylor & Francis Ltd. ISBN 978-11-3806-276-4.

Björk, Cecilia, Kallstenius, Per and Reppen, Laila (2021), *Så byggdes husen 1880-2020 : Arkitektur, konstruktion och material i våra flerbostadshus under 140 år.* Svensk Byggtjänst. ISBN 978-91-7917-094-3.

Hopkins, Owen and Watkin, David (2023), *A History of Western Architecture* . Quercus Publishing. ISBN 978-15-2942-030-2

Björk, Cecilia and Reppen, Laila (2022), *Tidstypiskt : Arkitekturdetaljer i flerbostadshus 1880-1990* . Svensk Byggtjänst. ISBN 9789179171575