



LTH

FACULTY OF
ENGINEERING

Course syllabus

Arkitektur- och byggteknikhistoria History of Architecture and Civil Engineering

ABVA01, 6 credits, G1 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED A

Date of Decision: 2023-03-28

General Information

Compulsory for: IBYA1

Language of instruction: The course will be given in Swedish

Aim

The purpose of the course is to mediate a basic knowledge of the history of Western, European and Nordic architecture from Antiquity until modern times, with particular emphasis on interplay between form and tectonics. Its aim is also to illuminate buildings' particularities and materials, and the skills of artisans exhibited by them, as well as their maintenance, preservation and renewal. The workplace training aims to mediate knowledge of the skills needed and performed on a building site.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- have a basic knowledge of the character and stylistic particularities of Nordic and European architecture as exhibited by popular buildings and by generally acknowledged masterpieces of architectural history
- possess an understanding and knowledge of traditional building and its materials, techniques and work by artisans
- have knowledge of renewal work and of the principles, theories and history of restoration.

Contents

The course addresses the development of the history of architecture by focusing on examples of its generally acknowledged masterpieces. They are considered initially with regard to their form, style and techniques; their material and contributions to them by artisans are studied by considering their various details. The maintenance and renewal of the stock of buildings is considered, as well as the technical principles applied in modern maintenance and restoration. The focus of the course on architectural history, building materials and construction will be applied in an assignment which will be performed as a group work.

The weight of emphasis of the course lies on the development of Western architecture, and the manner of building in southern Sweden and Denmark. The course considers buildings of a public character, those exhibiting the work of well-known leading architects and also popular buildings.

The development of building technology and its influence on architectural form is given particular attention.

Conservation is presented by considering the heritage of buildings and its preservation and renewal. The basics of making cultural-historical evaluations are studied, together with the particular techniques used in older buildings. Principles for restoration and renewal are studied through scrutinizing examples.

A planned excursion to one or more interesting architectural sites is preceded by relevant seminar discussions.

The workplace practical consists of one week study visit in smaller groups which will be followed-up by a seminar.

Any costs for excursions are to be paid by the student.

Examination details

Grading scale: UG - (U,G) - (Fail, Pass)

Assessment: Passed written examination, approved project, literature assignments and AFU-exercise, and at least 80% attendance at tutorials and 100% attendance at study visits.

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.

Parts

Code: 0117. **Name:** History of Architecture and Civil Engineering.

Credits: 6. **Grading scale:** UG.

Code: 0217. **Name:** Work Related Training.

Credits: 0. **Grading scale:** UG.

Admission

The number of participants is limited to: No

Reading list

- Dunér, K & Hall, T (red.). : Den svenska staden, Planering och gestaltning - från medeltid till industrialism. 1997, ISBN: 91-522-1797-3.
- Hantverket i gamla hus. Byggförlaget, 1998, ISBN: 91-7988-176-9.
- Kulturvärden 2005:2, Tema: Restaurering under hundra år. Statens fastighetsverk.

- Björck, C., Kallstenius, P., Reppen, L.: Så byggdes husen 1880-2000, arkitektur, konstruktion och material i våra flerbostadshus under 120 år. Svensk Byggtjänst, 2013, ISBN: 9789173336185.
- Björck, C., Kallstenius, P., Reppen, L.: Så byggdes staden, Stockholm. 2000, ISBN: 91-7332-922-3.
- Björck, C.: Sekelskiftets byggteknik: om arkitekten Valfrid Karlson, byggnadsverk och läroböcker. 1994, ISBN: 91-7332-458-2.
- Kurskompendium.
- Olle Svedberg: Europas arkitektur före 1800. 2000, ISBN: 91-87896-42-7.
- Olle Svedberg: Arkitekternas århundrade. 1988, ISBN: 91-86050-15-X.
- Olle Svedberg: Planernas århundrade. 1988, ISBN: 91-86050-16-8.

Contact and other information

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