

*Course syllabus*

# Modernismens arkitektur - förnyelse Modernistic Architecture - Renewal

**ABVN02, 15 credits, A (Second Cycle)**

**Valid for:** 2023/24

**Faculty:** Faculty of Engineering, LTH

**Decided by:** PLED A

**Date of Decision:** 2023-03-28

## General Information

**Elective for:** A4

**Language of instruction:** The course will be given in English on demand

## Aim

The course aims to ensure that each student attains a competent knowledge of building and re-building modern buildings; to develop competence in preserving and renewing the cultural inheritance they represent through the whole project; and competently to plan work.

## Learning outcomes

### *Knowledge and understanding*

For a passing grade the student must

- understand and be able to apply central concepts in communicating and discussing ideas of design development in the restoration and renewal of buildings representing the cultural inheritance of modernism
- understand and analyze functional and technical conditions, and cultural-historical values, as the foundation for renewing and developing plans, and for restoring and renewing the cultural inheritance of architectural modernism

### *Competences and skills*

For a passing grade the student must

- be able to develop a project using references to technical, aesthetic and functional qualities
- use modern techniques to present visions of proposed changes and renewal

- develop skills in critical thinking, independently resolving problems; convincingly arguing; and working alone and in groups
- be able to investigate and understand the functional, technical and aesthetical qualities of a modern building and/or built-up environment
- develop a creative ability and skills in thinking in an innovative way

#### *Judgement and approach*

For a passing grade the student must

- be able to apply the Swedish authorities' demands for care when altering or renewing a building and/or an entire built-up environment is to be changed or renewed
- be able to apply a holistic perception of a building and the process of changing it that includes but is not limited to health, climate, safety, access and environmental considerations
- be able to design a new outdoor environment that respects existing conservation values in construction, aesthetics and function

An architect's restoration work requires careful preliminary study and great detail in planning; central to it are the qualities of sustainable constructions that can be renewed. Restoration work should also avoid superficial trends and tendencies.

## Contents

Considering culturally and historically valuable modernistic buildings, the course gives knowledge of, training in and an understanding of design to be applied at a point where new and old architecture meet. It focuses especially on the function, design and material of buildings, and their maintenance and renewal. Training is given in adapting a building to contemporary demands regarding function, technical equipment, form and access by physically-handicapped persons. Relevant Swedish legislation is considered, together with formal demands for care and procedures in rebuilding work.

- The continuation of the advanced course contains the following: programme sketches and reference studies
- administrative system documents, impact analysis, proposals for measures
- descriptions of buildings, detailed drawing, tests of materials and colours
- presentations in modern methods of planning projects

## Examination details

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

**Assessment:** During the course, constant reference is made to individuals' levels of knowledge: each gives a preliminary account of his or her work-in-process on a project that is assessed. At the end of the course, each gives in words, drawings and images a final account of this project that the other students assess critically. Successfully to complete the course, a student must attend not less than eighty per cent of the lectures and study visits; actively take part in preliminary and final assessments; and gain approval for his or her project.

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.

## Admission

**Admission requirements:**

- 
- ATHA10 The Theory and History of Architecture II (Year 2) or ATHA25 The Theory and History of Architecture IV (Year 2)
- ATHF01 The Theory and History of Architecture V
- AADA20 Digital Tools 5
- ASBF05 The Fundamentals of Urban Design
- AAHF01 Sustainable Technology in the Built Environment
- AAHF10 Sustainable Architectural Design
- ATHF01 The Theory and History of Architecture V
- ATHF05 The Theory and History of Architecture VI
- VBEA05 The Construction Process, Basic Course
- AADA25 Digital Tools 6
- AAHF35 Documentation and Communication
- AAHF20 Architecture - In Time and Space or AAHF26 Architecture - In Urban Contexts or AAHF30 Architecture - In the Contemporary

**The number of participants is limited to: 36**

**Selection:** Completed university credits within the program. Within programmes where the course is given as a mandatory or elective mandatory course students are guaranteed admission. There after priority is given to students enrolled in programmes that include the course in the curriculum.

**The course overlaps following course/s:** ABVN01

## Reading list

- Europa Nostra. <http://europanostra.org/>.
- Ford, E. R.: The Details of Modern Architecture, Vol 1:2. MIT PRESS , 2003.
- World Heritage Convention. <http://whc.unesco.org/>.
- World Monuments Fund. <http://www.wmf.org/>.
- Docomomo\_international. <http://docomomo.com/>.
- Björk, Reppen , Kallstenius: Så byggdes husen 1880-2000, arkitektur, konstruktion och material i våra flerbostadshus under 120 år. Svensk Byggtjänst, 2013, ISBN: 9789173336185.
- Neufert, E, Neufert, P, Baiche, B, Walliman, N: Architects' data. Wiley–Blackwell, 2012, ISBN: 9781405192538.
- Bodin,A., Hidemark,J., Stintzing,M., Nyström, S.: Arkitektens handbok 2016. Studentlitteratur, 2016, ISBN: 9789144112534.
- Douglas, J: Building Adaptation. Butterworth- Heinemann, 2002.
- Frampton, K: Modern architecture a critical history. Thames and Hudson, 1985, ISBN: 0-500-20201-X.

## Contact and other information

**Course coordinator:** Ingela Pålsson Skarin, [ingela.palsson\\_skarin@byggark.lth.se](mailto:ingela.palsson_skarin@byggark.lth.se)

**Course homepage:** <http://www.bv.lth.se>

**Further information:** To this course is associated the deepening and compulsory course "Modernistic Architecture, -renewal, theory" 7,5 hp.