



LUNDS UNIVERSITET
Lunds Tekniska Högskola

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

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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.