



LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Stadsåterbruk **Sustainable Urban Recycling**

ASBN02, 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

Main field: Architecture with specialization in Sustainable Urban Design.

Compulsory for: MSUD1

Elective for: A4

Language of instruction: The course will be given in English

Aim

The aim of this course is to develop the students' skills in designing strategic visions for sustainable built environments with reference to current international trends relating to processes of urban transformation. This is primarily achieved by the students carrying out an advanced design assignment parallel with them being stimulated to describe, analyse and evaluate urban environments, structures, contexts and development strategies from artistic, humanist, socio-economic and ecological perspectives.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- be able to demonstrate in-depth knowledge about the importance of urban design for generating long-term sustainable urban contexts and environments;
- have acquired insight into the role of urban design as a driving force in urban processes of transformation.

Competences and skills

For a passing grade the student must

- be able to develop independently a strategy for the sustainable re-development of an

- existing urban area based on qualified analyses;
- be able to demonstrate the ability to critically and independently integrate knowledge and theoretical points of departure with sustainable urban design as a creative solution to problem solving;
- to be able to demonstrate advanced skills with regard to individual, creative and artistic urban design at different levels;
- be able to demonstrate the ability to communicate design proposals, both orally and visually.

Judgement and approach

For a passing grade the student must

- be able to demonstrate an independent and creative approach to sustainable urban design;
- be able to demonstrate the ability to balance scientific, socio-economic, humanistic and artistic aspects when evaluating the potential of existing urban areas with regard to long-term sustainability;
- be able to demonstrate an understanding of the importance of urban design for peoples' living conditions and have acquired insight into individuals and groups varied experiences of urban environments.

Contents

This course is composed of a qualified urban design assignment at a comprehensive level with selected parts at a more detailed level. The theme of the course is sustainable urban design and the main task is a design assignment where an area faced with change is transformed into an integrated district with mixed functions. This task is carried out according to a thematic structure and starts off with a series of analyses of the project area and other existing urban spaces. During the second phase a number of weekly sketches are carried out around various themes, and a strategy for urban development is formulated. During the final phase the transformation of the area in question is developed based on the analyses and the strategy. A study tour is included in the course to expand the students' frames of reference and develop their ability to discuss and analyse urban space, contexts and structures. Support for the design assignment work is provided by the knowledge and theoretical content included in the parallel course *ASBN06 Urban Recycling – Theory and Methods*. It is also appropriate to study these courses together with course *ASBN45 Urban Quality and Urban Form*, where the focus is on artistically advanced urban design and which aims to inspire and develop the student's creative design ability.

Examination details

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

Assessment: Approved assignment work, approved completion of the project task and at least 80% active participation at seminars, lectures and group presentations. The qualities of the project assignment and presentation are evaluated and discussed by an examination team comprised of the course examiner, lecturers and external critics after which the examiner decides if the project is considered to fulfil the requirements for a pass. In the case of a non-pass the student has the right to a new examination opportunity after any necessary amendments or re-formulation of the project. The examiner informs the student as to what is required in order to achieve a pass.

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: ASB180, ASBN01

Reading list

- Course compendium and supplementary literature, the contents of which vary from year to year.

Contact and other information

Course coordinator: Louise Lövenstjerne, louise.lovenstjerne@arkitektur.lth.se

Further information: Obligatory for those participating in this course is the theoretical course ASBN06 Urban Recycling – Theory and Method.