



**LUNDS UNIVERSITET**  
Lunds Tekniska Högskola

*Course syllabus*

## **Urban dynamik**

# **Sustainable Urban Dynamics**

**ASBN31, 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.

**Elective Compulsory for:** MSUD2, MARK2

**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. This is primarily achieved by the students analysing a selected urban area that is subjected to the pressure of change, and proposing a strategy for renewal in addition to demonstrating this strategy in the form of an advanced design proposal.

### **Learning outcomes**

*Knowledge and understanding*

For a passing grade the student must

- be able to demonstrate an in-depth insight into the possibilities of strategic urban development with regard to initiating and implementing long-term sustainable processes of change;
- be able to demonstrate an understanding of the complexity of the implementation process and its dependence on local, regional and national factors;
- be able to demonstrate an insight into how political, economic, geographical and cultural factors can influence the implementation of an urban development project formulated independently;
- be able to demonstrate an in-depth understanding of the possibilities of urban design

with regard to improving people's terms of life.

#### *Competences and skills*

For a passing grade the student must

- be able to demonstrate the ability to individually develop a strategy for the sustainable renewal of an existing urban environment based on qualified analyses of contextual, cultural, social and economic factors;
- be able to demonstrate advanced skills in individual, creative and artistic urban design at various levels;
- to be able demonstrate a qualified ability when communicating a design proposal, both visually and orally.

#### *Judgement and approach*

For a passing grade the student must

- be able to demonstrate insight with regard to the responsible role of the urban planner as a designer of urban structures;
- be able to demonstrate the ability to evaluate the existing prerequisites for urban change with respect to social, cultural and economic interests;
- be able to demonstrate the ability to identify ones need of further knowledge and development of competence.

## **Contents**

The course is comprised of a qualified urban design assignment at a comprehensive level. The theme of the course is strategic urban development and the predominant part of the course is a design task where the student independently analyses a specific urban area that is being subjected to the pressure of change and proposes a strategy for its renewal, in addition to displaying this strategy in the form of an advanced design proposal. The analytical and strategic components of the course are supported by the knowledge content of course *ASBN41 Urban Dynamics - Theories and Tendencies*, which is studied parallel with this course.

## **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: 30**

**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:** ASBN30

## Reading list

- Compendiums and supplementary literature, the content of which vary from year to year.

## Contact and other information

**Course coordinator:** Andreas Olsson, [andreas.olsson@arkitektur.lth.se](mailto:andreas.olsson@arkitektur.lth.se)

**Further information:** Obligatory for those participating in this course is the theoretical course ASBN41 Urban Dynamics – Theories and Tendencies.