LUND UNIVERSITY

LTH
FACULTY OF ENGINEERING

Programme Syllabus

Master's Programme in Sustainable Urban Design

- Faculty: Faculty of Engineering, LTH
- Programme code: TASUD
- Credits: 120
- Admission level: Bachelor's degree
- Degree level: Second cycle
- Approved by: Programme Board A
- Approval date: 2 February 2026
- Validity: Academic year 2026/2027
- Entry into force: 2 February 2026

1 Aim and outcomes

1.1 Aim

This internationally oriented master's programme aims to develop the knowledge, skills and judgement of students in the field of sustainable urban design. The programme is aimed at meeting the need for urban designers who

- from a humanist perspective, contribute with advanced design skills to urban processes of change nationally and internationally,
- initiate and implement urban development focused on urban environments that are sustainable in the long term, and
- develop the fundamental artistic understanding and approach of the urban design profession.

The expected learning outcomes listed below are intended to ensure that these aims govern the focus and implementation of the programme.

1.2 Outcomes for a Degree of Master of Science (120 credits)

(Higher Education Ordinance 1993:100)

Knowledge and understanding

For a Degree of Master of Science (120 credits) the student shall

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

Competence and skills

For a Degree of Master of Science (120 credits) the student shall

- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information,
- demonstrate the ability to identify and formulate issues critically, autonomously and creatively as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames and so contribute to the formation of knowledge as well as the ability to evaluate this work,
- demonstrate the ability in speech and writing both nationally and internationally to report clearly and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity.

Judgement and approach

For a Degree of Master of Science (120 credits) the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work,
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

1.3 Specific outcomes for a Degree of Master of Science (120 credits) in Architecture with specialisation in Sustainable Urban Design

For a Degree of Master of Science (120 credits) in Architecture students must demonstrate the knowledge and skills required for working independently with sustainable urban design.

Knowledge and understanding

For a Degree of Master of Science (120 credits) in Architecture students shall

- demonstrate knowledge and understanding of the role of urban design in the long-term development of a sustainable society,
- demonstrate in-depth methodological knowledge with regard to urban design processes, and
- demonstrate a significant insight into international research and development work in urban design and sustainable urban development.

Competence and skills

For a Degree of Master of Science (120 credits) in Architecture students shall

- demonstrate the ability to critically and systematically integrate knowledge of long-term sustainability in complex urban design and planning processes,

- demonstrate the ability to identify, analyse, assess and handle complex urban issues independently, critically, and creatively and to formulate relevant strategies for change,
- demonstrate the ability to plan and, using appropriate methods, undertake advanced design tasks within a given time period,
- demonstrate the ability in speech, writing and visual presentations in both national and international contexts, to clearly report and discuss their conclusions and proposals,
- demonstrate the ability to plan and design urban structures at several strategic scales, and
- demonstrate the skills required for participation in research and development work in the field of urban planning and design.

Judgement and approach

For a Degree of Master of Science (120 credits) in Architecture students shall

- demonstrate the ability to make decisions in the field of urban planning and design informed by relevant scientific, social and ethical aspects,
- demonstrate an awareness of the crucial effect of urban design on humans' living environments and of the ethical aspects of research and development in the field of urban environments, and
- demonstrate the ability to identify their need for further knowledge and take responsibility for their ongoing learning.

2 Programme structure

Each semester includes a design project of 15 credits that is integrated with a course in theoretical specialisation, and an overview course of 7.5 credits each. Of the programme's 90 course credits, 52.5 credits consist of compulsory courses and 37.5 credits of alternative compulsory courses within the program. Semester 4 of the programme consists of a degree project worth 30 credits. All courses are given in English.

2.1 Courses

The courses included in the programme are indicated in the timetable.

2.2 Further studies

On completion of the second-cycle degree, students have basic eligibility for third-cycle studies.

3 Admission requirements

A Bachelor's degree in architecture, landscape architecture, physical planning or urban design. A digital portfolio of the applicant's own work in the field that clearly proves that the applicant has good potential to benefit from the programme. English 6.

4 Degree

4.1 Degree requirement

For a Degree of Master of Science (120 credits) students must successfully complete courses comprising 120 credits, including a degree project worth 30 credits. At least 90 credits must be second-cycle credits and at least 60 credits of those must be in the main field of study, including the degree project.

4.1.1 Degree project

The student may commence work on the degree project when at least 76 credits of courses can be included in the degree. The degree project included in the programme is listed in the timetable.

4.2 Degree and degree certificate

When students have completed all the degree requirements, they are entitled to apply for a certificate for a Degree of Master of Science (120 credits) in Architecture. Main Field of Study: Architecture with specialisation in Sustainable Urban Design.

5 Special regulations

5.1 Semester structure

The Master's programme in Sustainable Urban Design is not divided into study periods. This means that teaching is scheduled throughout the semesters.

5.2 Field exercises

The teaching includes study trips, inventories, surveying, environmental studies etc. as an integral part of the training.

5.3 Portfolio

The students are to collect their blueprints and other materials in a portfolio dedicated to the purpose that is to be available for assessment.