

## Strategic Planning of Urban Climate Transitions

Strategisk samhällsplanering för städers klimatomställning

7.5 credits

Programme course

709A03

Valid from: 2024 Autumn semester

|   |                                      |                                   |
|---|--------------------------------------|-----------------------------------|
| <b>Determined by</b>  | <b>Main field of study</b>           |                                   |
| Course and Programme Syllabus Board at the Faculty of Arts and Sciences | Urban and Regional Planning          |                                   |
| <b>Date determined</b>  | <b>Course level</b>                  | <b>Progressive specialisation</b> |
| 2019-10-10  | Second cycle                         | A1N                               |
| <b>Revised by</b>   | <b>Disciplinary domain</b>           |                                   |
| Course and Programme Syllabus Board at the Faculty of Arts and Sciences | Natural sciences                     |                                   |
| <b>Revision date</b>  | <b>Subject group</b>                 |                                   |
| 2024-06-11  | Other Subjects within Social Science |                                   |
| <b>Offered first time</b>   | <b>Offered for the last time</b>     |                                   |
| Autumn semester 2020  |                                      |                                   |
| <b>Department</b>   | <b>Replaced by</b>                   |                                   |
| Institutionen för Tema  |                                      |                                   |

## Course offered for

- Master's Programme in Science for Sustainable Development
- Master's Programme in Strategic Urban and Regional Planning
- Master's Programme in Science for Sustainable Development

## Entry requirements

- Bachelor's degree in urban and regional planning equivalent to a Swedish Kandidatexamen  
or  
other relevant subject area.
- English corresponding to the level of English in Swedish upper secondary education (English 6).  
Exemption from Swedish

## Intended learning outcomes

On completion of the course, the student should be able to:

- describe and discuss key concepts in urban climate transition theories such as adaptability, transformative change/measures and integration of climate and environmental policy
- apply methods to analyse and discuss different types of urban needs for emissions reduction and climate adaptation
- compare and critically examine urban strategic planning for climate transitions (needs, governance and actions) from a transitions perspective
- analyse principles and measures to reduce urban climate impact and climate risks

## Course content

The course introduces theories and methods for converting to fossil-free and climate-robust cities and regions, as well as how climate transitions are expressed in strategic planning. Theories about transitions, adaptability, mainstreaming and collaboration are highlighted. During the course, three parts of strategic planning and management are discussed: needs analysis, objectives and principles for urban climate governance, as well as measures and solutions. The course will highlight:

- various methods for needs analysis, including climate and vulnerability analysis and carbon dioxide budgets;
  - objectives and principles for monitoring climate work;
  - different types of action plans such as green structure plans, climate and energy strategies, adaptation and cloudburst management plans; and
  - physical, ecosystem-based and organisational measures and cooperation.
- Methods and strategic planning are applied to different types of cities including mega-cities, rural municipalities or medium-sized municipal/regional centres.

## Teaching and working methods

The course is based on lectures, seminars and an individual case study. Homework and independent study are necessary complement to the course. The individual case study runs throughout the course and addresses the needs, goals, plans, arrangements and cooperation within that particular city. At seminars, students discuss and critically examine methods and strategic planning for different types of cities.

Language of instruction: English

## Examination

The course is examined through:

- Active participations in seminars, grading scale EC
- Individual oral presentations, grading scale EC
- Individual writing assignment - case study, grading scale EC

For 'E' as a final grade, it is required that all examinations using the pass-fail grading system achieve a passing score and at least 'E' on the individual writing assignment.

For 'D' as the final grade in the course, the student must also obtain at least 'D' on the individual writing assignment.

For 'C' as the final grade in the course, the student must also obtain at least 'C' on the individual writing assignment.

For 'B' as the final grade in the course, the student must also obtain at least 'B' on the individual writing assignment.

For 'A' as the final grade in the course, the student must also obtain at least 'A' on the individual writing assignment.

Detailed information can be found in the study guide.

If special circumstances prevail, and if it is possible with consideration of the nature of the compulsory component, the examiner may decide to replace the compulsory component with another equivalent component.

If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it.

If the coordinator has recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.

An examiner may also decide that an adapted examination or alternative form of examination if the examiner assessed that special circumstances prevail, and the examiner assesses that it is possible while maintaining the objectives of the course.

Students failing an exam covering either the entire course or part of the course twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve their grades.

## Grades

ECTS, EC

## Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus.

The course is conducted in such a way that there are equal opportunities with regard to sex, transgender identity or expression, ethnicity, religion or other belief, disability, sexual orientation and age.

If special circumstances prevail, the vice-chancellor may in a special decision specify the preconditions for temporary deviations from this course syllabus, and delegate the right to take such decisions.