

Strategic Planning of Urban Climate Transitions

Single subject and programme course

7.5 credits

Strategisk samhällsplanering för städers
klimatomställning

709A03

Valid from: 2020 Autumn semester

Determined by
Course and Programme Syllabus Board
at the Faculty of Arts and Sciences

Date determined
2019-10-10

Main field of study

Urban and Regional Planning

Course level

Second cycle

Advancement level

A1N

Course offered for

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

Entry requirements

- Bachelor's degree equivalent to a Swedish Kandidatexamen in Urban and Regional Planning, or equivalent
- 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 be 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 mangement plans: and
- physical, ecosystem-based and organisational measures and cooperation.
- methods and strategic planning are applied to different tyeps 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 addressses 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 assignments.

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

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

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

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

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 instead 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.

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 carried out in such a way that both men's and women's experience and knowledge is made visible and developed.

Department

Institutionen för Tema