



DEPARTMENT OF EARTH SCIENCES

GE5000 Urban Sustainable Development, 7.5 credits

Urban hållbar utveckling, 7,5 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Earth Sciences on 2011-11-02 and was last revised on 2019-06-10 to be valid from 2019-09-01, autumn semester of 2019.

Field of education: Science 100%

Department: Department of Earth Sciences

Other participating department

Department of Economy and Society

Position in the educational system

The course is an advanced course at the master's level and comprises 7.5 hp. The course is offered as the first course of the geography master's program (N2GEO).

This course can also be taken as an elective course.

The course can be part of the following programme: 1) Master's Programme in Geography (N2GEO)

Main field of studies

Geography

Specialization

A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

Pre-requisites for the course is a 180 credit bachelor's in the field of geography, human geography or physical geography. Students with an equivalent education upon review can be admitted to the course.

Learning outcomes

With the successful completion of this course students can expect to:

Knowledge and understanding

- define relevant terminology and their respective definitions
- explain the driving forces behind urban transformation processes, its outcome on human habitats and everyday life, short / long-distance supply chains and land and soil resources.
- propose measures to achieve long-term sustainable urban development,

Competence and skills

- carry out a project work, by formulating one based on the course's focus problem area, collect and process data, and report in writing and orally and analyze this within given time frames.

Judgement and approach

- the ability to evaluate and critically review information from relevant sources from the standpoint of sustainable development

The course is sustainability-focused, which means that at least one of the learning outcomes clearly shows that the course content meets at least one of the University of Gothenburg's confirmed sustainability criteria. The content also constitutes the course's

main focus.

Course content

The course defines the urbanization process exploiting a broad geographical perspective. The course focuses on an in-depth understanding of the underlying driving forces of city growth and its consequences, partly on a description of what opportunities and problems that today's and future urban landscape are facing in the quest to achieve sustainable development.

The course explores how the urban transformation process affects people's habitats and everyday life, short and long-distance supply chains, as well as land and resource use. Each is analyzed from different perspectives and different geographical areas (focus is on conditions similar to those in Sweden), namely: - urban / urban planning, - population composition and distribution, - energy and food security, - mobility / mobility and urban logistics, - various aspects of risk management, - urban landscape conservation - urban green structure - consequences of climate change in a local perspective, - distribution aspects (inclusion and exclusion), and - business transformation.

The effects on the urban environment, as well as instruments and measures (laws, technology, land use and behavioral changes) are regarded from social, business, and individual perspectives.

Form of teaching

The teaching consists of lectures, project work, excursions, seminars / guest lectures, screenings and tutorials.

All course goals are examined in the project work. The project work is evaluated by the submission of a written report and presentation at a seminar.

The result of the project work (written report and oral presentation) determines the final grade of the course, which is issued only when all course sections have been approved. For a final grade all course section must be satisfactorily completed. The course requires that all sections, including compulsory, are satisfactorily completed.

A student is entitled to change examiner after failing twice on the same examination, if it is practically possible. Such a request is to be made to the institution in writing.

Language of instruction: English

All courses at the master's level are given in English in the geography master's program.

Assessment

For a final grade all graded sections of the course must be successfully completed, including the compulsory sections.

Moment 1: Project work (Projektarbete) 5,5 hp (U/G/VG)

Moment 2: Seminars, excursions (Seminarier, exkursioner) 2 hp (U/G)

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

For a passing grade (G) for the entire course, a passing grade is required for all graded sections. To receive the grade passed with distinction (VG) for the final grade, the grade passed with distinction for the Project work section as well as at least passed for all other sections is required.

A student that has failed the same examination twice is entitled to have another examiner appointed, if it is possible. The application shall be in writing and sent to the department.

In cases in which the course has been discontinued or major changes have been made a student should be guaranteed at least three examinations to complete the course (including the regularly scheduled examination) during a time period of at least one year from the last given course.

Course evaluation

The result and any changes in the course structure will be communicated to both the students who completed the evaluation and to the students who will begin the course.