



DEPARTMENT OF ECONOMY AND SOCIETY

KGG171 Quantitative planning methodology, 7.5 credits

Kvantitativ planeringsmetodik, 7,5 högskolepoäng

First Cycle

Confirmation

This course syllabus was confirmed by Department of Economy and Society on 2020-06-16 to be valid from 2021-01-18, spring semester of 2021.

Field of education: Social Sciences 100%

Department: Department of Economy and Society

Position in the educational system

The course is given as a freestanding course. The course is a proficiency course at advanced level in human geography with a specialisation in urban and regional planning but is not compulsory for qualification in human geography.

Main field of studies

Human and Economic Geography

Specialization

G2F, First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Entry requirements

Admission to the course requires at least 60 credits in human geography, geography or equivalent included at least 7.5 credits GIS.

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

1. Give an account of basic quantitative methods in urban and regional planning.
2. Explain the theoretical context behind concerned planning techniques.

Competence and skills

3. Show basic skill in and ability to apply concerned quantitative planning techniques.

Judgement and approach

4. Justify the application of concerned methods in the solution of selected planning problems.

5. Critically review and evaluate the application of concerned methods in the solution of selected planning problems.

Course content

The aim of the course is to introduce quantitative planning techniques and tools in urban and regional planning and to put these in a theoretical context. Through practical work, the student should develop knowledge of and skills in completed planning techniques, and develop a critical approach to the form and result of the methods. The course includes three main components: 1) individual exercises around quantitative methodology for planning, 2) individual exercise where quantitative method is applied on a selected planning problem 3) group assignment that includes written and oral report that compares, critically reviews and evaluates application of concerned planning techniques.

Form of teaching

Learning activities in the course are lectures, literature studies, exercises, seminars and a group assignment.

Language of instruction: Swedish

Part of the teaching and reading list may be in English

Assessment

The intended learning outcomes of the course are assessed partly through two individual written submissions where quantitative method is used to analyse a selected planning problem and partly through a group assignment as that critically compare, review and evaluate application of concerned planning techniques.

A student who lies the close border for passed on a submission can obtain possibility to supplement and send in revised version according to the instructions of examiner.

Missing supplementary qualification in mandatory time implies that the student fails on the component.

A student who has failed the same examination twice by the same examiner has the right

to change the examiner. The student shall submit a written request to the Department. The request shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

A student with a recommendation for special educational support from the University of Gothenburg may receive an adapted examination or alternative examination form provided that the examiner decides it is compatible with the course objectives and it does not require unreasonable resources.

In the case where a course has been discontinued or has undergone major changes, a student shall be guaranteed access to at least three examination sessions (including the regular examination session) during a period of at least one year, but at the most two years after the course has been discontinued/changed. The same applies for internships and on-the-job trainings, but with a restriction to only one additional examination session.

Grades

The grading scale comprises: Excellent (A), Very good (B), Good (C), Satisfactory (D), Sufficient (E) and Fail (F).

To receive a Pass grade (A-E) in the course, passed results in all assessing components are required. The grade in the course as a whole is combined by the result in the assessing components and is put in relation to established grading scale. The group assignment is assessed according to the scale Pass/U. It is thus the two Individual assignments that constitute the most important part of it combined the grade.

Course evaluation

Course evaluation is carried out at the end of the course. Evaluation results and any changes in the course structure should be communicated to both the students who completed the evaluation and to the students who will start the course.

Additional information

In the course, a virtual learning platform for digital communication between teachers and course participants and between course participants is used. Therefore, access to a computer and internet is required. For access to reading list, access to GU card/Library cards is required.

The course may not be included in a degree together with the course KGG141.