



DEPARTMENT OF ECONOMY AND SOCIETY

KGG203 Geographical Information Systems (GIS) 1 - Introduction to spatial planning, 7.5 credits

Geografiska informationssystem (GIS) 1 - Introduktion för samhällsplanerare, 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 both as a freestanding course and in programme. The course is a compulsory course on Bachelor Programme in Economic History and Human Geography (S1SAP), Program in Environmental Social Science (S1SMI) and Guide: experiences, communication, cultural heritage (H1GUI) for they that choose specialisation in human geography within the their programme studies. The course is an advanced course in human geography and is compulsory for a Bachelor's degree.

Main field of studies

Human and Economic Geography

Specialization

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Entry requirements

Admission to the course requires at least 22.5 credits human geography.

Learning outcomes

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

Knowledge and understanding

1. at a general level describe basic theories and concepts in GIS
2. at a general level describe different methods for geographic analysis and visualisation

Competence and skills

3. use GIS software
4. identify different choices in the use of GIS software to apply basic geographic analysis and visualisation

The course is sustainability-related, 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.

Course content

This course contains two linked parts: a theoretical part and a practical part. The contents of the theoretical part consist of lectures and literature studies that are concentrated around basic theories, concepts and methods in GIS. A number of computer-based exercises are included in the practical part, which give a basic introduction to GIS software. In the computer-based exercises, the student furthermore obtains training to work with selected theories, concepts and methods that are introduced in the first part practically.

Form of teaching

Lectures, literature studies and computer-based exercises.

Language of instruction: Swedish

Part of the teaching and reading list may be in English.

Assessment

Intended learning outcomes one and two are assessed through written examination. Intended learning outcomes three and four are assessed through computer-based exercises.

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, a passed result is required on both examination and on the practical exercises. The grade in the course as a whole is put in relation to established grading scale.

Course evaluation

Course evaluation should take place anonymously at the end of the course. At the planning of the next course instance, consideration should be taken to the results of the evaluation.

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 virtual learning environment for digital communication (Canvas) between teachers and course participants is used. Therefore, access to a computer and internet is required. The course is computer-based, therefore, basic computer experience is assumed.

Of resource reason is supervision limited to the course instance the student started his studies. At re-registration, the right to supervision expires and the student must therefore work independently to completion remaining examination part.

The course may not be included in qualification together with the courses KGG120, KGG131, GE0400 or KGG210.