



## DEPARTMENT OF ECONOMY AND SOCIETY

### **KGG136 Geographical Information Systems (GIS) 3 - Project, 7.5 credits**

Geografiska informationssystem (GIS) 3 - Projektarbete, 7,5 högskolepoäng  
*First Cycle*

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#### **Confirmation**

This course syllabus was confirmed by Department of Economy and Society on 2020-01-15 and was last revised on 2023-11-08 to be valid from 2024-09-02, autumn semester of 2024.

*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 in Human geography at first cycle level.

The course can be part of the following programmes: 1) Program in Environmental Social Science (S1SML) and 2) Program in Environmental Social Science (S1SMI)

#### *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**

Entry to the course requires at least 52.5 credits human geography, geography or environmental science, of which at least 7.5 credits GIS.

#### **Learning outcomes**

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

#### *Knowledge and understanding*

1. explain different principles regarding methods for collection, storing, processing,

analysis and visualisation of geographic data in GIS software.

#### *Competence and skills*

2. independently be able to apply different methods for collection, storing, processing, analysis and visualisation of geographic data in GIS software
3. independently be able to formulate a research issue and solve this by means of GIS software

#### *Judgement and approach*

4. independently decide and evaluate the suitability of different methods for collection, storing, processing, analysis and visualisation of geographic data.

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**

The course is carried out in the form of one of the individual student formulated and delimited project whose main contents should reflect GIS relate method issues. In the introduction of the course, the student formulates a project PM that is discussed with the teachers and other students of the course at a seminar.

During the course, the student then runs the project forward. A teacher follows up the project via supervision sessions. The course is completed with a final review where each student participates actively and discusses his and other students' final results.

### **Form of teaching**

Seminars, supervision, fellow student supervision, literature studies and computer-based exercises. Peer tutorial implies that students in the course read and comment one another's works.

*Language of instruction:* Swedish

### **Assessment**

All intended learning outcomes are assessed through a project work and active participation in the seminars of the course.

The student who is not present at compulsory seminar or achieve passed result in written project work must make supplementary assignments to pass the course. The right to supplement expires after current course instance.

If a student has failed the same examined element on two occasions and wishes to change examiner before the next examination session, such a request must be submitted to the department in writing, and it will be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

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. In regards to internships/placements, the equivalent applies but limited 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 in the project work is required and active attendance at the seminars of the course. If a student has not participated actively at the seminars of the course, the student will need make a supplementary qualification for a Pass grade. 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.

### **Course evaluation**

At the end of the course, a course evaluation is carried out. 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**

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.

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.

The course may not be included in degree together with the course KGG133.