

# Syllabus

for course at first level

**Geographical Information Systems and Cartography**  
**Geografiska informationssystem och kartografi**

**7.5 Higher Education  
Credits**  
**7.5 ECTS credits**

<b>Course code:</b>	KG1206
<b>Valid from:</b>	Autumn 2018
<b>Date of approval:</b>	2007-06-13
<b>Changed:</b>	2018-02-21
<b>Department</b>	Department of Human Geography
<b>Main field:</b>	Human Geography
<b>Specialisation:</b>	G1N - First cycle, has only upper-secondary level entry requirements

## Decision

This syllabus was approved by the board of the Department of Human Geography on 13 June 2007, and revised on 12 June 2009, 15 December 2009, 8 June 2010, 8 March 2011, 4 March 2014 and 21 February 2018.

## Prerequisites and special admittance requirements

30 HECs.

## Course structure

Examination code	Name	Higher Education Credits
1001	Geographical Information Systems and Cartography	7.5

## Course content

This course aims to give the student basic knowledge and skills in geographic information analysis and cartography. The student works with various digital methods for collecting data, producing maps and conducting analyses in GIS. Special emphasis is on analysis of information. The goal is that the student should be able to describe how digital processing of geographic information can be used, both theoretically and through applied examples. In the course, a number of projects are carried out with various thematic contents.

## Learning outcomes

Upon completion of course, the student is expected to be able to:

- Present the quality, peculiarities and possible usages of different kinds of maps and geographic information.
- Apply, in practice, the basics of cartography such as projection, coordinate systems and cartographic conventions.
- Interpret and analyse geographic information.
- Discuss and critically evaluate geographic information.
- Present results and knowledge in written form in a scientifically correct manner.

## Education

All scheduled education is obligatory. In case of absence from obligatory education, opportunity to participate in that education is given next time the course is given. If possible, a substitute assignment could be given, following the decision of the course coordinator.

Obligatory education is introduction, lectures, exercises, seminars and project work.  
Language of the course is Swedish or English.

### **Forms of examination**

a. The course is examined through control of knowledge of the expected study results. Examination is done by written examination and also oral and written presentation of project work. Examination of individual course parts can be found in the study guide for the course. The principles for aggregating the individual examinations are given in the grade criteria.

Examination is in Swedish or English.

b. Grades are decided according to a goal-related grade-scale with seven levels:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Sufficient

Fx = Fail, some additional work required

F = Fail, much more work required

F and Fx grades are both considered as fails and in both cases, re-examination is required.

c. The course's grading criteria will be given out at the start of the course.

d. To get a course grade, at least a grade E is required on the test.

If special reasons exist, the examiner may, after consultation with the teacher responsible, allow the student to be exempt from the obligation to participate in certain education or fulfilment of obligatory assignment. The student can then be required to do an assignment as compensation.

Course Grade is the same as the grade of the test when the course consists of one test. If the test is not graded or have grades F or Fx, course grade is not given.

e. Students who have received an F or Fx on a test have the right to re-do the test up to four times, as long as the course is given, to reach a pass grade. Students who have received an E or higher on a test may not re-do the test to get a higher grade.

Students who have received an F or Fx on the same test, twice from the same examiner have the right to request that another examiner grade the test, unless there are specific reasons to deny this request. Requests to change examiner should be put to the Department Board.

f. Opportunity to complete the grade Fx to a passed grade is not given on this course.

### **Interim**

If, in the future, the course is no longer offered, or if the course content has been significantly changed, students have the right to be examined according to this syllabus three times during a three-term period. However, the stipulations listed under Forms of examination still apply.

### **Limitations**

The course may not be included in a degree together with any other course, the content of which corresponds completely or partially to the content of the course. This applies, for example, to the courses: Human Geography I, First Cycle, 30 HECs (KG1201), beginning from autumn 2009, Human Geography I-II, First Cycle, 60 HECs (KG1202), Human Geography II, First Cycle, 30 HECs (KG2201), autumn 2009 or earlier, Urban and Regional planning I-II, First Cycle, 60 HECs (KG1210), Urban and Regional planning I, First Cycle, 30 HECs (KG1215 and KG1217).

### **Misc**

This course can be credited as part of the following courses: Human Geography I-II, First Cycle, 60 HECs (KG1202) or Human Geography II, First Cycle, 30 HECs (KG2201), Urban and Regional Planning I-II, First Cycle, 60 HECs (KG1210), Urban and Regional Planning I (KG1215 and KG1217).

### **Required reading**

Course literature is listed in an annex and will be posted at [humangeo.su.se](http://humangeo.su.se) two month before the start of the course.