

Syllabus

for course at first level

Geographical Information Analysis I
Geografisk informationsbehandling I

**7.5 Higher Education
Credits**
7.5 ECTS credits

Course code:	KG2203
Valid from:	Autumn 2018
Date of approval:	2007-06-13
Changed:	2018-02-21
Department	Department of Human Geography
Main field:	Human Geography
Specialisation:	G1F - First cycle, has less than 60 credits in first-cycle course/s as entry requirements

Decision

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

Prerequisites and special admittance requirements

Geographical Information Systems and Cartography, First Level, 7.5 HECs.

Course structure

Examination code	Name	Higher Education Credits
1001	Geographical information analysis I	7.5

Course content

The course examines different methods and techniques for geographic information analysis. In this course, different kinds of data are dealt with in raster and vector format, and with different projections and levels of precision. The emphasis of this course is on the use of raster data, but vector data will also be used. Methods for collecting data and analysis methods will be discussed during the course, plus various methods for visualizing complex phenomena.

Learning outcomes

After completing the course, the student is expected to be able to:

- Present the most important methods in geographic information analysis and the advantages and disadvantages with different kinds of data.
- Put into practice the use of geographic information in the analysis of geographic phenomenon and take into account different sources of error.
- Critically review and analyse projects which have been carried out using geographic information analysis.

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 introductions, lectures, seminars and exercises.

Language of the course is English.

Forms of examination

a. The course is examined through control of knowledge of the expected study results. Examination is done by written and oral 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 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 Form of Examinations still apply.

Limitations

Course literature is listed in an annex and will be posted at humangeo.su.se two month before the start of the course.

Misc

This course has been offered earlier under the course code KG3070.

This course is elective in the Bachelor's Programme in Urban and Regional Planning, the Master's Programme in Human Geography and the Master's Programme in Urban and Regional Planning.

Course description, including timetable, is available at humangeo.su.se no later than one month before the course starts and study guide with further details are distributed when the course starts.

Required reading