

## **SGEG16, GIS in Social Sciences - Basic Level, 7.5 credits**

*GIS för samhällsvetenskap - grundnivå, 7,5 högskolepoäng*

**First Cycle / Grundnivå**

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### **Details of approval**

The syllabus is an old version, approved by Faculty Board of Social Sciences on 2011-11-17 and was valid from 2011-11-17, spring semester 2012.

### **General Information**

The course is offered as an interdisciplinary single subject course in Human Geography at the undergraduate level. The language of instruction is English.

*Language of instruction:* English

*Main field of studies*

Human Geography

Human Geography

*Depth of study relative to the degree requirements*

G1N, First cycle, has only upper-secondary level entry requirements

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### **Learning outcomes**

Upon completion of the course the student should be able to:

- Show an ability to work at a basic level with key theoretical and practical concepts and discourses around the use of GIS for application in the Social Sciences.
- Show an understanding of GIS: incorporating proficiency in data collection, data management, data handling and geographical analysis.
- Work practical with GIS software
- Critically examine analytical techniques for spatially oriented problems.
- Handle scientific problems in spatial oriented context.
- Show general knowledge in presenting geographic data and in cartographic design.

## Course content

The course aims at providing an introduction to the rapidly growing field of Geographical Information Systems (GIS) for students interested in applications within social sciences.

Some of the most important theories and practises of GIS, and GIS within social sciences are presented. It also addresses some key conceptual debates and developments in GIS. The practically oriented course consists of exercises in a computer lab environment introducing common analytical methods and tools within GIS. During the course students will be made aware of some of the potential uses of GIS as well as its application within various fields of study.

## Course design

Teaching is carried out through a mixture of lectures, seminars, and small group teaching methods and supervision. Compulsory participation applies to seminars. In combination with the lectures, a series of practical workshop sessions and laboratory work will introduce students to GIS software. This will provide an understanding of the management of geographical information as well as the functionality of GIS towards a specific field of study – developing some of the skills necessary for individual application. Students are expected to study the course literature parallel to teaching and practical laboratory work.

## Assessment

The course is assessed through exercises, presentations, seminar participation and written or oral examinations. Examinations may draw on lectures, exercises as well as course literature. Grading is based on individual performance, written assignments, oral presentations as well as group activities.. In connection with the course students are offered three examinations, a regular examination, a re-examination and one additional re-examination. Within one year after the course, students are offered a minimum of two additional re-examinations. Thereafter, more examinations are offered but in accordance with current course content.

The University views plagiarism very seriously, and will take disciplinary actions against students for any kind of attempted malpractice in examinations and assessments. The penalty that may be imposed for this, and other unfair practice in examinations or assessments, includes suspension from the University.

*Subcourses that are part of this course can be found in an appendix at the end of this document.*

## Grades

Marking scale: Fail, E, D, C, B, A.

The grades awarded are A, B, C, D, E or Fail. The highest grade is A and the lowest passing grade is E. The grade for a non-passing result is Fail.

The student's performance is assessed with reference to the learning outcomes of the course. For the grade of E the student must show

acceptable results. For the grade of D the student must show satisfactory results. For the grade of C the student must show good results. For the grade of B the student

must show very good results. For the grade of A the student must show excellent results. For the grade of Fail the student must have shown unacceptable results.

At the start of the course students are informed about the learning outcomes stated in the syllabus and about the grading scale and how it is applied in the course.

## **Entry requirements**

General and courses corresponding to the following Swedish Upper Secondary School Programs: Mathematics A, English course B and Civics A.

For international students:

English language proficiency demonstrated in one of the following ways:

IELTS score (Academic) of 6.5 or more (with none of the sections scoring less than 5.5),

TOEFL score of 575 or more (internet based 90),

Cambridge/Oxford - Advanced or Proficiency level, O level/GCSE,

A bachelor's Degree from a university where English is the ONLY language of instruction, according to the latest edition of International Handbook of Universities

## Subcourses in SGEG16, GIS in Social Sciences - Basic Level

Applies from V12

1101 GIS in Social Sciences, 7,5 hp  
Grading scale: Fail, E, D, C, B, A