Faculty of Health, Science and Technology
Geo-Science

Syllabus

GIS, Social Planning and Project Work

Course Code:	NGGA19
Course Title:	GIS, Social Planning and Project Work
	GIS, samhällsplanering och projektarbete
Credits:	12.5
Degree Level:	Undergraduate level
Progressive Specialisation:	First cycle, has at least 60 credits in first-cycle course/s as entry requirements (G2F)

Major Field of Study:

Course Approval
The syllabus was approved by the Faculty of Health, Science and Technology 2018-08-26, and is valid from the Spring semester 2019 at Karlstad University.

Prerequisites
Completed 60 course credits on the Social Planning Programme, including the courses Social Planning I 7.5 ECTS credits and Social Planning II 7.5 ECTS credits, plus at least 4 ECTS credits for the course Introduction to GIS as a tool 7.5 ECTS credits, or equivalent

Learning Outcomes
Upon completion of the course, students should be able to:
- use geographical information technology (GIT) in terms of methods and applications,
- describe how geographical information systems (GIS) can be applied in the social planning studies,
- plan, perform and report a GIS-project in social planning,
- use the infrastructure available in GIT,
- interpret and apply the relevant laws pertaining to the area and give examples of how GIS can be used to collect data in support of these laws.

Content
Instruction is in the form of lectures, seminars, computer exercises and group work.

The more advanced functions of a GIS software are dealt with in practical exercises.

Students practice using the technique GIS through application examples and analysis of social planning. The use of GIS in different sectors is treated in group work.

Students carry out a group project based on a fictive client assignment, involving, for example, children's routes to school, producing material for decisions on a new traffic plan, or investigating the accessibility of services in rural and urban areas resectively.

Reading List
See separate document.

Examination
Assessment is based on computer work, hand-in assignments, individually or in groups, and a group project, which is presented in a mandatory group report and also individually in writing. Assessment is also based on the student's performance as a peer reviewer, orally and in writing, of a fellow-student's report.

Grades
One of the grades Fail (U), Pass (G), or Distinction (VG) is awarded in the examination of the course.

Quality Assurance
Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate
A course certificate will be provided upon request.

Additional information
The local regulations for studies at the Bachelor and Master levels at Karlstad University stipulate the obligations and rights of students and staff.

The course NGGA19 cannot be included in the same degree programme as NGGA23 or NGGAD1.