



HÖGSKOLAN I GÄVLE

GIScience Seminar 5 cr

GIScience seminarium 5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

8/22/16

HT2017

Level	A1N
Education level	Second cycle
Course identifier	SBA024
Credits	5 cr
Main field of study	Geospatial Information Science, Geomatics, Geography
Subject group	Geographic Information Technology and Surveying
Disciplinary domain	Technology 100.0 %

Learning outcomes After completion of the course the student shall be able to

1. state ethic issues in science
2. describe and discuss the current state of the art of GIScience research
3. write research proposals and papers logically and structurally
4. perform a project work reported through a scientific paper.

Course content

- Ethic issues and responsible conduct in science
- Geographic representation and ontology
- Geovisualization and perception
- Scale and map generalization
- Data mining and geographic knowledge discovery
- Location based services
- Volunteered geographic information and big data analytics

Teaching Lectures, project, and seminars

Prerequisites GIS data structures and algorithms, 5 credits, or equivalent

Examination Written examination, seminars, and project work.

Grade A, B, C, D, E, Fx, F

Other regulations Degree criteria for final grade will be given by examiner or course responsible latest at the beginning of the course.

Sustainable environment A minor part of the course content deals with sustainable development.

Module

0010	Written examination	2 cr	Grade: AF
0020	Seminars	1.5 cr	Grade: UG
0030	Project work	1.5 cr	Grade: AF