



HÖGSKOLAN I GÄVLE

GIS Organisation and Project Management 5 cr

GIS organisation och projektförvaltning 5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

2/26/18

HT2018

Level	A1F
Education level	Second cycle
Course identifier	SBA315
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. identify and explain the different types of GIS organisational structures, tasks and functionalities
2. elucidate the important phases of project development and implementation
3. assess GIS requirements
4. design and plan projects
5. develop and apply strategies that can be implemented within the project
6. create and present an implementation plan for GIS project
7. discuss various issues associated with the use and dissemination of geospatial data.

Course content

The aim of the course is to provide knowledge in integrating Geographic Information System (GIS) in organisations. Students will learn skills in project management, which include assessment of requirements, designing, planning and applying strategies in implementing projects. Different issues relevant with the use and dissemination of geospatial data will also be covered.

- Role of GIS in organisations
- Organisational models, structures, operations and functionalities
- Management strategies and issues

- Project implementation phases: requirement analysis, design, planning and deployment
- Project coordination with users
- Data accuracy, privacy and security
- Economical, legal and ethical issues with geospatial data

Teaching	Lectures, practical exercises, seminars and project
Prerequisites	English language proficiency equivalent to (the Swedish upper secondary school) English course 6/B. Completed courses of 30 hp in the Master Programme in Geospatial Information Science, including: GIS data structures and algorithms 5 credits and Spatial databases and SDI 5 credits, or equivalent
Examination	Assignments (practical exercises), seminars, project, and written examination. How the learning outcomes are examined are stated in the course's grading criteria.
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 Assignments 1 cr Grade: UG
	0020 Seminars 0.5 cr Grade: UG
	0030 project 1.5 cr Grade: AF
	0040 Written examination 2 cr Grade: AF