



HÖGSKOLAN I GÄVLE

Geovisualisation of the Built Environment 7.5 cr

Geovisualisering i byggd miljö 7,5 hp

Set by Faculty of Engineering and Sustainable Development

Version

Set at

Valid from

2/26/18

HT2018

Level	G1N
Education level	First cycle
Course identifier	SBG131
Credits	7.5 cr
Main field of study	Spatial Planning, Geospatial Information Science, Geomatics, Surveying Technology
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. create 3D models of the built environment
2. create photomontages of the built environment
3. create vector drawings or maps of the built environment
4. visualize planning proposals using a presentation tool
5. present planning proposals verbally
6. describe the key terms and research on geovisualisation and modelling.

Course content Modeling of the built environment och design proposals in 2D and 3D
Using photographs in the creation of models and photo montages
Visualisation with vector graphics applications
Visualisation of planning proposals with a suitable layout and presentation application
The disciplines of geovisualisation and data visualisation
Presentation strategies

Teaching Lectures, laboratory sessions and project work

Prerequisites General entry requirements

Examination Laboratory sessions, project work and written examination

0010 Laboratory sessions examines Learning outcomes 1-4 and 6, grades Pass, Fail.

0020 Project Work examines Learning outcomes 1-6, grades A-F.

0030 Written Exam examines Learning outcomes 1-4 and 6, grades A-F.

Grade

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

Other regulations

Criteria for the final grade will be handed out by course responsible or examiner at the beginning of the course.

Sustainable environment

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

Module

0010	Laboratory Sessions	2 cr	Grade: UG
0020	Project Work	3.5 cr	Grade: AF
0030	Written Exam	2 cr	Grade: AF