



## 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**

<b>Level</b>	G1N
<b>Education level</b>	First cycle
<b>Course identifier</b>	SBG131
<b>Credits</b>	7.5 cr
<b>Main field of study</b>	Spatial Planning, Geospatial Information Science, Geomatics, Surveying Technology
<b>Subject group</b>	Geographic Information Technology and Surveying
<b>Disciplinary domain</b>	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