



## HÖGSKOLAN I GÄVLE

### CAD for Land Management 7.5cr

*CAD och ritteknik för samhällsbyggnad 7,5hp*

Set by Faculty of Engineering and Sustainable Development

**Version**

**Set at**

**Valid from**

11/3/16

**HT2017**

|                            |   |
|----------------------------|---|
| <b>Level</b>               | G1N   |
| <b>Education level</b>     | First cycle   |
| <b>Course identifier</b>   | SBG031  |
| <b>Credits</b>             | 7.5cr   |
| <b>Main field of study</b> | Spatial Planning, Geomatics, Building Engineering, Surveying Technology |
| <b>Subject group</b>       | Physical Planning   |
| <b>Disciplinary domain</b> | Technology 100.0%   |

**Learning outcomes**

After completion of the course the student shall be able to

1. apply basic methods in order to create drawings in a CAD system
2. apply Swedish map symbols on plan maps in spatial planning
3. describe and account for basic drawing in CAD
4. describe and account for CAD-technical concepts.

**Course content**

Drawing  
CAD  
Drawing standards for procedure documentation.  
Reference systems  
Project assignment plan map

**Teaching**

Lectures, laboratory sessions and project work

**Prerequisites**

Matematik B och Samhällskunskap A eller Matematik 2a / 2b / 2c och Samhällskunskap 1b / 1a1+1a2 (Områdesbehörighet 5/A5)

**Examination**

Individual project, written examination and assignments

**Grade**

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

**Other regulations** Grading criteria are provided by the course coordinator or examiner at the beginning of the course.

**Sustainable environment** It is possible to include content with sustainable development in this course in the future..

**Module**

|      |                     |       |           |
|------|---------------------|-------|-----------|
| 0010 | Project work        | 2cr   | Grade: AF |
| 0020 | Written examination | 2.5cr | Grade: AF |
| 0030 | Assignments         | 3cr   | Grade: UG |