



## Course syllabus

Faculty Board of Science and Engineering  
School of Engineering

1BY011 Datorstödd ritning CAD, 7,5 högskolepoäng  
Computer Aided Drawing , CAD, 7.5 credits

**Main field of study**

Civil Engineering

**Subject Group**

Building Technology

**Level of classification**

First Level

**Progression**

GIN

**Date of Ratification**

Approved by Organisational Committee 2009-07-24

The course syllabus is valid from spring semester 2010

**Prerequisites**

Mathematics C.

### Expected learning outcomes

After completing the course the student is expected to

- have knowledge of and skills in using computerised drawing programs for CAD
- have been oriented in the knowledge of drawing techniques with the emphasis on construction drawing - drawing methods and regulations.

### Content

The course comprises the following elements:

- General information on CAD
- The coordinate system
- Drawing and change commands
- Screen handling and drawing support
- Setting measurement scales
- Adjustments
- Symbols, external references, attributes and raster images
- Scale drawing in model and paper space
- Print-outs
- instructions. Programme students perform pre-determined mentor company tasks,

which are to be presented in writing. Independent course students perform the corresponding written presentations of course elements and/or study visits according to teacher instructions.

### **Type of Instruction**

The teaching consists of lectures, laboratory work and drawing exercises. Participation in laboratory work and drawing exercises is compulsory.

### **Examination**

The course is assessed with the grades U,3,4 or 5.

The assessment of student performances usually takes place during special examination periods and may take the form of project work, laboratory work, written assignments and oral examination. The assessment may be written as well as oral.

### **Course Evaluation**

When the course has finished, an evaluation is compiled. The results are reported to the students and then archived according to the rules of the school.

### **Required Reading and Additional Study Material**

#### **Required reading**

Pål Hansson, Göran Karlsson. Kom i gang med AutoCAD 2007, 2007. studentlitteratur 330 p. (520)

Various exercises 25 p (25)

Gösta Hamrin, AMG Hamrin Byggnadsritning, ritsätt och ritregler, 1996. 6 p. (60)