



Course syllabus

Faculty Board of Science and Engineering

School of Engineering

1BY015 Datorstödd ritning - fortsättning, 7,5 högskolepoäng

1BY015 Computer Aided Drawing, part 2, 7.5 credits

Main field of study

Civil Engineering

Subject Group

Building Technology

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved 2009-07-24

Revised 2011-06-22 by School of Engineering. Review of contents

The course syllabus is valid from spring semester 2012

Prerequisites

Knowledge corresponding to Computer Aided Drawing 7,5 hp

Objectives

Based on a project methodical thinking, after completing the course the student will gain a deeper understanding and a wider knowledge of 3D modeling into any of the commonly used CAD software on the market to utilize the program resources in a more optimal way.

Content

Use of computer engineering at impersonation work and the creation of 3D CAD models in the building engineering field.

Students will learn:

- Taking advantage of the more advanced features of a 3D CAD software
- Working with, among others a workflow, user interfaces, software tools, views, and prototype files
- Creating architectural models of intelligent objects, and conceptual models
- Using and working with objects and construction conditions, etc.

- Creating construction documents from a building model such as drawings that are linked to a database
- To render and visualize 3D drawings to quickly show realistic images of buildings and objects
- To understand the various applications for 3D modeling
- Learning how to import / export files between different CAD programs

Type of Instruction

Lectures and exercises. Tutoring is provided for some of the exercises.

Examination

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

The assessment is based on submitted reports from the various modules and from the major assignment. 80 % attendance at all lectures and presentations is required. The examination takes the form of a discussion of assignments.

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

Department handouts, 80 s.

Other Literature at the course introduction.