



## Course syllabus

Faculty of Technology

Department of Building Technology

1BY082 Fortsättningskurs BIM, 7,5 högskolepoäng

Continuing course BIM, 7.5 credits

### **Main field of study**

Civil Engineering

### **Subject Group**

Building Technology

### **Level of classification**

First Level

### **Progression**

G1F

### **Date of Ratification**

Approved by Faculty of Technology 2016-07-06

The course syllabus is valid from autumn semester 2017

### **Prerequisites**

Knowledge corresponding to Basic course CAD/BIM 7,5 credits.

## Objectives

After completing the course the students:

- Have knowledge and skills in working with a BIM-program
- Be able to build a 3D model of a proposed building and present it in different ways
- Understand the concepts of objects and attributes
- Have a thorough insight in the needs for information and information exchange during the different phases in the building process
- Be able to interpret a BIM manual as regards instructions for the design phases as well as delivery specifications for information to facility management.
- Have basic knowledge about tools for collaboration, crash detection, etc.
- Recognise different exchange formats, e.g. IFC and DWG

## Content

The course comprises the following items:

- The graphic interface of the program, views
- Coordinate systems in plan and height
- Functions for creating and editing models with objects
- Import and export functions
- Present models as drawings, pictures and tables
- Handling of revisions

## 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 attendance during lectures and exercises (0.5 hp U/G), individual modelling a minor task (2.0 hp U/G) as well as a final major modelling task (5.0 hp U/3/4/5). Hence, the last task governs the assessment of the course.

## 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.

## Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course:1BY015

## Required Reading and Additional Study Material

### Required reading

Department handouts, 80 s.

Other Literature at the course introduction.