AF272V BIM2, Design, Installation and Integrated Planning 7.5 credits

BIM2, projektering, installation och samordning

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for AF272V valid from Spring 2011

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

80p/120hp field of study of structural engineering / building services engineering / architecture / CAD and basic course in BOS and Swedish B and English A. Alternatively, the Higher Education Is No Civil Engineering Design or Civil nobody is training the Built Environment KTH.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The course aims to provide a general orientation in 3D design,
installation and coordination.
After the course the student:
Know the theory behind BOS
Able to manage model data and use databases in BIMprojektering
Able to project installation coordination with Magicad
Know the collision detection capabilities with Navis Work
Be able to apply their knowledge in a project.

Course contents

Problem-based learning: the course is centered around a project that is based on a given architectural model. During the course the student will work simplified the design of the installation and coordination of this. The lots below are the steps to perform this.
During the course the following topics are addressed:
The definition generally BOS
MagiCAD and BOS
MagiCAD and IFC - IFC Viewers
IFC Import to AutoCAD MEP
Coordination between planners
Introduction to MagiCAD on Revit MagiCAD and RevitMEP
Coordination of installations in NavisWorks

Disposition

The operations consist of theory, analysis and demonstration projects, and some where all knowledge is practiced and integrated into a project.

Course literature

Announced at course start.

Examination

- PRO2 - Project work, 4.0 credits, grading scale: A, B, C, D, E, FX, F
- PRO1 - Project, 2.0 credits, grading scale: P, F
- TEN1 - Examination, 1.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH’s coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.