



AF272V BIM2, Design, Installation and Integrated Planning 7.5 credits

BIM2, projektering, installation och samordning

Course syllabus for AF272V valid from Spring 11

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

Grading scale: A, B, C, D, E, FX, F

Education cycle: Second cycle

Main field of study: Built Environment

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 main content

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.

Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

Eligibility

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.

Literature

Announced at course start.

Examination

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