AI1802 Project Management and BIM in the Built Environment 7.5 credits

Projektledning och BIM inom samhällsbyggandet

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

Establishment

Course syllabus for AI1802 valid from Spring 2021

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Completed AI1527

active participation in AI1525

Language of instruction

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

Intended learning outcomes

The aim of the course is that after completing the course the student should be prepared for further studies in the built enviroment.

After completing the course the student should be able to:

1. Describe and use concepts within project management and BIM.

2. Use and evaluate tools and methods within project management and BIM to make analyzes.

3. Describe how the early stages of the planning and building process are designed and how they connect to project implementation.

4. Describe how project management and BIM can contribute to a more sustainable built environment

5. Relate to previous knowledge in the fields of project management and BIM.

Course contents

Lectures that introduce the basics of project management and BIM as well as exercises that train applications within project management and BIM. Examples of course content are: planning, plans, programs, goals, goal conflicts, phases, roles, organization, drawings, standards and file formats.

Examination

- PRO1 - Project Assignment, 2.5 credits, grading scale: P, F
- TEN1 - Exam, 5.0 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.

The examination is time-limited.

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.