

BIM project, part 2

BIM-projekt, del 2
4 credits

Programme course

TNBJ05

Valid from: 2022 Spring semester

Determined by Board of Studies for Mechanical Engineering and Design	Main field of study Construction Engineering	
Date determined 2021-09-01	Course level First cycle	Progressive specialisation G2X
Revised by	Disciplinary domain Technology	
Revision date	Subject group Building Technology	
Offered first time Spring semester 2021	Offered for the last time Spring semester 2023	
Department Institutionen för teknik och naturvetenskap	Replaced by TNBJ42	

Course offered for

- Bachelor of Science in Civil Engineering

Entry requirements

BIM project, part 2

Intended learning outcomes

The aim of the course is to be able to practically apply the BIM model in the execution phase of a construction project or parts thereof. After completing the course the student should be able to:

- apply BIM in the execution phase of a construction project
- value the level and benefit of using a BIM model.
- determine what is optimal utilization of BIM under specified conditions
- apply collision control for given input parameters

Course content

Application of theoretical and practical knowledge in digital models as support in the construction process.

Teaching and working methods

Project work in limited groups. The course starts HT2 with “BIM-project, part 1” and concludes VT1 with “BIM-project, part 2”.

Examination

PRA1 Oral and written presentation of project Work 4 credits U, 3, 4, 5

Grades are given as “Fail” or “Pass”.

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is “Swedish”, the course as a whole could be given in Swedish, or partly in English. Examination language is Swedish, but parts of the examination can be in English.
- If teaching language is “English”, the course as a whole is taught in English. Examination language is English.
- If teaching language is “Swedish/English”, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English depending on teaching language.

Other

The course is conducted in a manner where both men's and women's experience and knowledge are made visible and developed.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

If special circumstances prevail, the vice-chancellor may in a special decision specify the preconditions for temporary deviations from this course syllabus, and delegate the right to take such decisions.