BIM project, part 2

Programme course

4 credits

BIM-projekt, del 2

TNBJ05

Valid from: 2021 Spring semester

Determined by
Board of Studies for Mechanical Engineering and Design

Date determined
2020-09-29

Offered for the last time
Spring semester 2023

Replaced by
TNBJ42

Main field of study
Civil Engineering

Course level
First cycle

Advancement level
G2X

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 or in large parts, is taught in Swedish. Please note that although teaching language is Swedish, parts of the course could be given in English. Examination language is Swedish.
- 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).
- If teaching language is English, the course as a whole is taught in English. Examination language is English.

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.

Department
Institutionen för teknik och naturvetenskap

Director of Studies or equivalent
Dag Haugum

Examiner
Johan Petersson

Course website and other links

Education components
Preliminary scheduled hours: 36 h
Recommended self-study hours: 71 h

Course literature

Books

Brian L. Smith, (2006) *Architectural Visualization* Springer Verlag, New York.
ISBN: 978-1-59059-557-2