

# 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