



## COURSE SYLLABUS

# **BIM - Requirements and Specifications, 7.5 credits**

*BIM - Requirements and Specifications, 7,5 högskolepoäng*

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<b>Course Code:</b> TBRS21	<b>Education Cycle:</b> Second-cycle level
<b>Confirmed by:</b> Dean Mar 1, 2021	<b>Disciplinary domain:</b> Technology
<b>Valid From:</b> Aug 1, 2021	<b>Subject group:</b> BY1
<b>Version:</b> 1	<b>Specialised in:</b> A1F
	<b>Main field of study:</b> Product Development

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### **Intended Learning Outcomes (ILO)**

After a successful course, the student shall

Knowledge and understanding

- display knowledge of the most common BIM-uses and the values created of these uses.
- show familiarity with the requirements concerning information and processes that is used in BIM-based building projects.

Skills and abilities

- demonstrate the ability to authoring a BIM Execution Plan
- demonstrate the ability to authoring Information Requirements in a building project

Judgement and approach

- demonstrate an understanding of how different BIM-uses contribute to fulfilling project goals in a building project

### **Contents**

The course focuses on how to use BIM to achieve goals and values in building projects. The student is given knowledge and understanding how different BIM uses can be used in a BIM strategy and how the information and processes needed should be required and implemented in projects by using BIM Execution Plans and Information Requirements.

The course includes the following elements:

- BIM-uses in Planning, Design, Construction and Operation of a building
- BIM-strategies
- BIM-manual
- Information Requirement / Information delivery

### **Type of instruction**

The course consists of lectures, exercises and seminars.

The teaching is conducted in English.

### Prerequisites

Passed courses at least 90 credits within the major subject in construction engineering or civil engineering, and 15 credits in mathematics and completed courses Analyses, Simulations and Assessment systems 7,5 credits and Scientific Introduction to BIM and Sustainability 7,5 credits, or equivalent. Proof of English proficiency is required.

### Examination and grades

The course is graded 5,4,3 or Fail.

Registration of examination:

Name of the Test	Value	Grading
Examination <sup>1</sup>	3 credits	5/4/3/U
Exercises and Seminars	4.5 credits	U/G

<sup>1</sup> Determines the final grade of the course, which is issued only when all course units have been passed.

### Course literature

The literature list for the course will be provided one month before the course starts.

Articles and course compendium free of charge.