



## KURSPLAN

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

*BIM - Requirements and Specifications, 7.5 credits*

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<b>Kurskod:</b>	TBR21	<b>Utbildningsnivå:</b>	Avancerad nivå
<b>Fastställd av:</b>	VD 2021-03-01	<b>Utbildningsområde:</b>	Tekniska området
<b>Gäller fr.o.m.:</b>	2021-08-01	<b>Ämnesgrupp:</b>	BY1
<b>Version:</b>	1	<b>Fördjupning:</b>	A1F
		<b>Huvudområde:</b>	Produktutveckling

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### Lärandemål

After a successful course, the student shall

Kunskap och förståelse

- 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.

Färdighet och förmåga

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

Värderingsförmåga och förhållningssätt

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

### Innehåll

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

### Undervisningsformer

The course consists of lectures, exercises and seminars.

Undervisningen bedrivs på engelska.

### Förkunskapskrav

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 och betyg

Kursen bedöms med betygen 5, 4, 3 eller Underkänd.

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Examination <sup>1</sup>	3 hp	5/4/3/U
Övningar och seminarier	4,5 hp	U/G

<sup>1</sup> Bestämmer kursens slutbetyg vilket utfärdas först när samtliga moment godkänts.

### Kurslitteratur

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

Articles and course compendium free of charge.