

## COURSE SYLLABUS

### Pathway BIM 2, 7.5 credits

*Pathway BIM 2, 7,5 högskolepoäng*

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<b>Course Code:</b> PB2N12	<b>Education Cycle:</b> First-cycle level
<b>Confirmed by:</b> Utbildningsrådet Sep 30, 2020	<b>Disciplinary domain:</b> Technology
<b>Valid From:</b> Jan 17, 2022	<b>Subject group:</b> BY1
<b>Version:</b> 1	<b>Specialised in:</b> G2F

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### Intended Learning Outcomes (ILO)

After a successful course, the student shall:

Knowledge and understanding

- display knowledge of methods for a structured planning methodology in the different phases of the design process
- display knowledge of industrial building systems and building components

Skills and abilities

- demonstrate the ability to structure information and design documents based on a digital building model
- show the ability to plan and manage a project with emphasis on project management, teamwork, coordination and quality assurance
- show ability to solve and process technical details
- Demonstrate the ability to communicate and transmit project information through the various phases of the design process

Judgement and approach

- demonstrate the ability to analyze and evaluate tools, methods and consequences in the use of digital information management for a building structure with regard to social, economic and ecological sustainability

### Contents

The course aims to give an in-depth knowledge in buildings' design using BIM as well as an in-depth understanding of and knowledge of complex issues in functional, constructive, sustainable and economic terms, considering architectural aspects.

The horizontal aim is to develop and strengthen student skills within higher education through group work, social engagement, peer learning, reflective learning and autonomous learning whilst developing intercultural communication skills, metacognitive skills, information literacy and critical thinking.

### Type of instruction

The teaching is conducted through lectures, exercises, and project work.

The teaching is conducted in English.

### **Prerequisites**

60 credits at first-cycle level and completed Pathway English 2 and Pathway BIM 1.

### **Examination and grades**

The course is graded Fail (U) or Pass (G).

Registration of examination:

<b>Name of the Test</b>	<b>Value</b>	<b>Grading</b>
Project Work	7.5 credits	U/G

### **Course literature**

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