



## ANNEX 2.1

# DEGREE PROGRAM DIDACTIC REGULATIONS INGEGNERIA STRUTTURALE E GEOTECNICA (STRUCTURAL AND GEOTECHNICAL ENGINEERING)

## CLASS LM-23

**School:** Polytechnic and Basic Sciences

**Department:** Structures for Engineering and Architecture

**Didactic Regulations in force since the academic year 2026-2027**

<b>Course:</b> BIM and AI for structural engineering	<b>Teaching Language:</b> Italian
<b>SSD (Subject Areas):</b> Tecnica delle Costruzioni CEAR-07/A (ex ICAR/09)	<b>CREDITS:</b> 9
<b>Course year:</b>	<b>Type of Educational Activity:</b> TAF-B (Caratterizzanti la classe LM-23)
<b>Teaching Methods:</b> in-person	
<b>Contents extracted from the SSD declaratory consistent with the training objectives of the course:</b> methods and tools for the structural design and for the construction and the management of civil structures	
<b>Objectives:</b> The course will provide the basic elements of BIM (Building Information Modeling) methodologies for the information management in the design, construction, and maintenance processes of civil works. The course will enable students to acquire the main tools to manage and share information through the BIM approach and to design in an interoperable environment, in collaboration with the various professional figures and stakeholders involved in the processes. It will also provide the main tools to operate with the main software applications.	
<b>Propaedeuticities:</b> none	
<b>Is a propaedeuticity for:</b> none	
<b>Types of examinations and other tests:</b> oral examination and practical test	