

4.00 credits

20.0 h + 30.0 h

Q1

Teacher(s)	Dachy Sébastien ;Marino Giulia ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	<p>The aim of the 'transversality' courses is to bridge the approaches from the theoretical courses and from the design studios through operative concepts, reference analyses and investigation methods.</p> <p>This course trains students in the 'constructed project', understood as a reflection on the materialization of the architectural design. The core question underpinning this course is: What constructive means for what architectural end?</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> • Conduct an analysis of the construction principles of an existing building, • Evaluate the coherence between the architectural objective and its physical realization, • Identify and explain the processes, techniques, and constructive logic of a building by correlating the subsystems that comprise it, • Demonstrate and articulate the strategy for material use and the way the arrangement of solids elements shapes the quality of voids, • Present the materialization challenges through clear and intelligible graphic renderings and oral presentations, adhering to the terminology and graphic conventions of technical representation. <p><u>General Learning Outcomes</u></p> <p>In line with the program's learning outcomes (LOs), this course contributes to the development and acquisition of the following LOs:</p> <ul style="list-style-type: none"> • LO1.2 State the intentions and choices of an architectural project at different intervention scales. • LO2.4 Proficiently illustrate construction logics. • LO3.2 Acquire and explain the construction and technical processes related to architecture. • LO3.4 Acquire and explain the environmental, social, and economic consequences of construction and technical choices. • LO4.3 Learn and apply the content of artistic or scientific disciplines to enrich the architectural project.
Evaluation methods	<p>The final assessment takes the form of a final assignment, which is presented and defended during an oral examination. This is supplemented by continuous assessment throughout the course, which demonstrates the student's active participation and commitment at each stage of the term.</p> <p>If generative artificial intelligence (AI) is used, it must be handled responsibly and in line with academic and scientific integrity practices. Anyone using generative AI in a way that does not align with the uses outlined in the teaching unit description is engaging in conduct that constitutes an irregularity under Article 107 of the RGEE (non-personal student production in an assessment context).</p>
Teaching methods	The teaching alternates between lectures and workshops.
Content	The process of 'materialising an idea' is traced backwards from the analysis of the construction and materials of an existing building. The objective is to recognise the challenges of its realisation and to recreate them with a description, graphically and in model form in a clear and explicit manner. Students will therefore learn to identify and critique architectural coherence by carrying out a constructive analysis of an existing building and transposing its principles into an architectural project.
Bibliography	Une bibliographie spécifique, par thème traité, sera distribuée pendant les cours.
Faculty or entity in charge	LOCI

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Architecture (Bruxelles)	ARCB1BA	4	LARCB1111 AND LARCB1161	