

10.00 credits

120.0 h

Q1

Teacher(s)	Meersseman Benoît ;
Language :	French
Place of the course	Louvain-la-Neuve
Main themes	<p>The studio offers a new cumulative experience of the architectural design process.</p> <p>Within the context of a world in ecological and social transition and increasingly limited resources, the architectural intervention of the design studio focuses on an existing building or a group of buildings. The project involves an in-depth understanding of the existing buildings (site placement, organization, uses, history, constructive systems, ...) and an identification of their qualities and potentials. These will be considered as project levers in relation to the proposed or potential program. Design proposals will be developed with regards to morphologies, typologies, construction and building systems, as well as the comfort of the spaces, proposed to its users (including compliance considerations). The scales addressed will range from integration within the context (urban, landscape, environmental, societal) to detailed architectural proposals (including technical details). Research on the existing structure will be conducted. Studio outputs will include hand and computer-aided drawings, physical and/or digital models, and written reports synthesizing the hypotheses, issues, methods, and objectives of the proposed investigations.</p>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <ul style="list-style-type: none"> <li>• Analyse and synthesize the existing buildings through drawings and/or archival research (with regards to structure, materiality, technical aspects...)</li> <li>• Evaluate, within an iterative process, the qualities and potentials of the existing buildings through specific investigations (visual inspection, drawing-based, analysis of historical, urban, social, and/or cultural context, analysis of the building evolution) ; use these qualities and potentials as a driver of architectural design</li> <li>• Engage in a process aimed at assessing and evolving current approaches to architectural design projects, dealing with existing buildings (maintenance, re-use, resource efficiency, Low Tech...)</li> <li>• Develop an architectural project, integrating multiple issues and drivers (ecological, programmatic, constructional, typological, poetic...)</li> <li>• Choose and select the graphical methods adequate for the development of the project as well as its representation</li> <li>• Critically argue the choices that guided and shaped the architectural project, and this based on the analyses made of the existing buildings</li> <li>• Being able to consider current requirements, norms and compliance constraints – and where appropriate – question or nuance</li> <li>• Take critical distance from the project under development: describe, analyse and critique its foundations, methods, and objects</li> </ul>
Faculty or entity in charge	LOCI

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Architecture and Engineering	ARCH2M	10		