


This biannual learning is being organized in 2024-2025

Teacher(s)	Bolle Caroline ;Marino Giulia ;Rondeaux Jean-François ;Vandenbroucke David ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	<p>The Issues in Architecture: Heritage &amp; Memory course is designed to face students with the interaction between the physical conditions and the cultural conditions of an architectural project in a pre-existing building.</p> <p>The opportunities to link this issue to academic research mainly relate to a transdisciplinary approach to knowledge and understanding of the physical state of the construction as well as the methodology for intervention and the integration of the project in the pre-existing building.</p> <p>Issues in Architecture : Heritage &amp; Memory is made up of two (biennial) modules:</p> <p><b>MODULE A (biennial): Preliminary Study and State of Property Report</b></p> <p>This module explores and examines more deeply the different aspects of the physical state of an existing property or part of a property and leads to the production of a preliminary study and a document on the state of the property. It raises questions about a procedure to contextualise a situation by linking it with the reality of the discipline.</p> <p>The module includes theoretical classes, formal lectures and participatory seminars.</p> <p>The course develops the following topics:</p> <p>Identification of heritage</p> <p>Methodology of restoration project</p> <p>Stability of structures and pathologies.</p> <p>Belgium forms geographical limits. The time scale goes from the Roman conquest to the first half of the twentieth century.</p> <p>Please note : MODULE B explores the question of an integration project.</p> <p>Implementation of an architectural integration project within an existing building.</p>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>This course forms part of a group of teaching units on the physical and cultural condition of an architectural project in the context of a pre-existing building.</p> <p>By the end of this course, students will be able to</p> <ul style="list-style-type: none"> <li>• make use of other disciplines : seek out other concepts and methods, exchange and nurture thinking on architecture.</li> <li>• test an artistic approach : apply a voluntary act to an uncertain beginning by bringing together elements which are a priori diffuse and heterogeneous to form a proposal which can be understood by others.</li> <li>• implement a technical dimension : integrate and develop technical and academic knowledge on building to use them as a driver in efficient and sustainable architectural design.</li> <li>• form a body of architectural knowledge : find references which, by analogy, open the way for other interpretations of the context.</li> </ul> <p><i>Issues in Architecture: Heritage &amp; Memory</i> is also designed to prepare for the specialised Master's degree in restoration and heritage as well as the multidisciplinary approaches that graduates will meet in the professional world.</p> <p><b>More specifically</b>, the knowledge that students will gain from <b>Module A: Preliminary Study and State of Property Report</b> brings together the following skills :</p> <p><b>Identification of heritage :</b> By the end of this course, students will be able to</p> <ul style="list-style-type: none"> <li>• recognise characteristic elements of architecture, whether whole or fragmentary, describe them with appropriate vocabulary, complete them in graphic form where necessary and to site them in time.</li> <li>• establish the proportion of traditional building as opposed to innovation in architecture.</li> </ul> <p><b>Methodology of a restoration project:</b> By the end of this course, students will be able to</p> <ul style="list-style-type: none"> <li>• structure the approach to the historic building by linking the survey, the chart of pathologies and the chart of potential.</li> <li>• within the framework of a multi-disciplinary approach, assess and review the expert opinions and the results of prior studies.</li> <li>• organise the documents of the restoration project: description of the work, measurements, estimates, tendering report, reports of site meetings, final report designed for publication.</li> </ul>

	<ul style="list-style-type: none"> <li>• understand the context of stakeholders in a restoration project: Project Managers, Regions, Towns and Villages, Historic Monuments Commissions, Coordination Committees.</li> <li>• take the necessary administrative steps for the restoration of protected historic buildings, in the areas of the Brussels Capital and the Walloon Region.</li> <li>• take the necessary steps for awarding contracts for services and work.</li> </ul> <p><b>Stability of structures and pathologies:</b> By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• identify and understand the most common pathologies and problems which can affect old structures.</li> <li>• carefully review how to find out the causes of these problems and the choice of investigation methods.</li> <li>• make use of the necessary skills to choose the methods for repair.</li> </ul>
Bibliography	<p>BOLLE C., COURA G. &amp; LEOTARD J.-M. (dir), <i>L'archéologie des bâtiments en question. Un outil pour les connaître, les conserver et les restaurer.</i> Actes du colloque international Liège les 9 et 10 novembre 2010, Etudes et Documents, Archéologie 35, Ministère de la Région Wallonne, Namur, 2014.</p> <p>HOFFSUMMER P., <i>Les charpentes de toitures en Wallonie</i>, Etudes et Documents, Monuments et Sites 1, Ministère de la Région Wallonne, Namur, 1999.</p> <p>HOFFSUMMER P. (dir), <i>Les charpentes du XIe au XIXe siècle, Typologie et évolution en France du Nord et en Belgique</i>, Cahiers du Patrimoine, MONUM, Editions du Patrimoine, Paris, 2002.</p> <p>MUTTONI A., <i>L'art des structures : une introduction au fonctionnement des structures en architecture</i>, PPUR Presses polytechniques, 2004.</p> <p>PEROUSE DE MONTCLOS J.-M., <i>Principes d'analyse scientifique, Vocabulaire de l'Architecture, méthode et vocabulaire</i>, MONUM, Editions du Patrimoine, Paris, 2011.</p>
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 (Tournai)	ARCT2M	8		
Master [120] in Architecture (Bruxelles)	ARCB2M	8		