




This biannual learning unit is not being organized in 2021-2022 !

Teacher(s)	Bolle Caroline ;Rondeaux Jean-François ;Vanden Eynde Jean-Louis ;Vandenbroucke David ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	<p>The Issues in Architecture: Heritage & 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 & Memory is made up of two (biennial) modules:</p> <p>MODULE A (biennial): Preliminary Study and State of Property Report</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>At the end of this learning unit, the student is able to :</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"> • make use of other disciplines : seek out other concepts and methods, exchange and nurture thinking on architecture. • 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. • 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. • form a body of architectural knowledge : find references which, by analogy, open the way for other interpretations of the context. <p><i>Issues in Architecture: Heritage & 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>More specifically, the knowledge that students will gain from Module A: Preliminary Study and State of Property Report brings together the following skills :</p> <p>Identification of heritage : By the end of this course, students will be able to</p> <ul style="list-style-type: none"> • 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. • establish the proportion of traditional building as opposed to innovation in architecture. <p>Methodology of a restoration project: By the end of this course, students will be able to</p> <ul style="list-style-type: none"> • structure the approach to the historic building by linking the survey, the chart of pathologies and the chart of potential. • within the framework of a multi-disciplinary approach, assess and review the expert opinions and the results of prior studies.

	<ul style="list-style-type: none"> • organise the documents of the restoration project: description of the work, measurements, estimates, tendering report, reports of site meetings, final report designed for publication. • understand the context of stakeholders in a restoration project: Project Managers, Regions, Towns and Villages, Historic Monuments Commissions, Coordination Committees. • take the necessary administrative steps for the restoration of protected historic buildings, in the areas of the Brussels Capital and the Walloon Region. • take the necessary steps for awarding contracts for services and work. <p>Stability of structures and pathologies: By the end of this course, students will be able to:</p> <ul style="list-style-type: none"> • identify and understand the most common pathologies and problems which can affect old structures. • carefully review how to find out the causes of these problems and the choice of investigation methods. • make use of the necessary skills to choose the methods for repair.
Bibliography	<p>BOLLE C., COURA G. & 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

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Architecture (Tournai)	ARCT2M	8		
Master [120] in Architecture (Bruxelles)	ARCB2M	8		