UCLouvain

ltarc2050

2021

Architecture in question : heritage and memory (Part B)

8.00 credits	90.0 h	Q1

This biannual learning is being organized in 2021-2022

Teacher(s)	Bolle Caroline ;Vanden Eynde Jean-Louis ;Vandenbroucke David ;
Language :	French
Place of the course	Tournai
Main themes	*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. 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. Issues in Architecture : Heritage & Memory is made up of two (biennial) modules: For information : **MODULE A** explores the question of the Preliminary Study and State of Property Report. Carrying out a preliminary study and a state of property report on an existing building. **MODULE B** (biennial): ***Carrying out an architectural integration project in an existing building*** This module raises the question of how to conceptualise a situation in relation to the dictates of architecture. It is designed to test out, in an in-depth way through the project, the different aspects and requirements involved in the adaptation of a pre-existing building to contemporary challenges. In addition to the architectural and rehabilitation aspects, students will go as far as the detailed execution of the most significant parts of their project. The module includes theoretical classes, formal lectures and/or participatory seminars and develops the following topics: **Building Archaeology** **Materiality & Architectonic Integration in Heritage Buildings** **Technique & Comfort.**
Learning outcomes	**At the end of this learning unit, the student is able to :** 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. By the end of this course, students will be able to • 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. *The Issues in Architecture: Heritage andMemory unit* is also designed to prepare for the specialised Master's degree in heritage restoration as well as the multi-disciplinary approach that students will encounter from their very first project. 1 **More specifically**, the knowledge that students will gain from **Module B 'Integration project'** covers the following skills: **Building Archaeology** By the end of this course, students will be able to able to • develop a methodology for observing materials, how they are used and superposed, to establish whether construction is homogeneous or not, the ordering of work over time, to be able to establish the relevance of prior studies to improve knowledge of building, so as establish more effectively the value of what already exists and to make intervention more coherent. **Materiality & Architectonic Integration in Heritage Buildings** By the end of this course, students will be able to • choose building techniques and materials to use for a contemporary intervention and to show their relationship with the existing building. • bring objectivity to what they are doing based on a critical analysis of the work and/or achieving the benchmarks.

	Technique & Comfort By the end of this course, students will be able to • understand the thermal behaviour of an existing building and identify the technical options put in place initially to ensure use and comfort. • make choices and make use of skills in the framework of a restoration and/or reassignment project requiring the integration of special techniques (HVAC and lighting) in the old building or one of heritage value.
Bibliography	BOLLE C., COURA G., LEOTARD J.-M. *L'archéologie des bâtiments en question. Un outil pour les connaître, les conserver et les restaurer,* SPW, Etudes et documents, Archéologie 35, Namur, 2014. CRAMER J., BREITLING S., *Architecture in Existing Fabric: Planning, Design, Building*, Basel, Birkhäuser, 2007. DETRY N., PRUNET P., *Architecture et restauration, sens et évolution d'une recherche*, Les éditions de la Passion, Paris, 2000. GADY A., JOUVE J.-P. (sous la dir.de) *Les hôtels de Guénégaud et de Mongelas. Rendez-vous de chasse des Sommer au Marais*, Citadelles & Mazenod, Paris, 2006. HOFFSUMMER P., *Les charpentes de toitures en Wallonie*, Etudes et Documents, Monuments et Sites 1, Ministère de la Région wallonne, Namur, 1999 (2ème édition). HOFFSUMMER P. (dir), *Les charpentes du XIe au XIXe siècle, Typologie et évolution en France du Nord et en Belgique*, Cahiers du Patrimoine, MONUM, éditions du patrimoine, Paris, 2002. MACK G., *Herzog & de Meuron Transforming Park Avenue Armory New York*, Birkhäuser, 2014. MONUMENTAL semestriel 1, 2007, revue scientifique et technique des monuments historiques, Dossier*, Cité de l'architecture et du patrimoine*, Paris, éditions du patrimoine, 2007. MONUMENTAL semestriel 1, 2013, revue scientifique et technique des monuments historiques, *Création architecturale et monuments historiques*, Paris, éditions du patrimoine, 2013. MUTTONI A. *L'art des structures : une introduction au fonctionnement des structures en architecture,* PPUR Presses polytechniques, 2004. PEROUSE de MONTCLOS J.-M. *Principes d'analyse scientifique, Architecture, description et vocabulaire méthodologiques*, éditions du patrimoine, Centre des Monuments nationaux, Paris, 2011.
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		