


3.00 crédits

10.0 h + 30.0 h

Q2

Enseignants	Fontaine Christine ;Montulet Thomas ;Niemann Sebastian ;
Langue d'enseignement	Anglais > Facilités pour suivre le cours en français
Lieu du cours	Bruxelles Saint-Gilles
Acquis d'apprentissage	
Méthodes d'enseignement	<p>Each year a different material will be studied</p> <p>*Hemp block &gt; guest: Arnaud Evrard (mix of hemp &amp; chalk)?</p> <p>*Alveolate terracotta block &gt; guest: David Sebastian</p> <p>*Mud-bricks &gt; guest: Anupama Kundoo</p> <p>*Small sections of wood &gt; guest : PUCV Valparaiso</p> <p>*Re-used materials</p> <p>The organization of the teaching unit will consist in different phases preparatory to the construction in situ:</p> <p>Presentation of the course and organization of the work</p> <p>&gt; Composition I: understanding the wall &amp; the openings presentation of the material and context, first tentative design</p> <p>&gt; Composition II: the manipulations of the brick / bloc understanding of the material, origins, composition, fabrication, production, decisions on the design</p> <p>&gt; Composition III: experimentations on the joints characteristics of the assemblage, technics and mastery of construction, state of the art development of the design</p> <p>&gt; Composition IV: the gesture experiment of the construction technics and preparation of the construction site execution drawings and technical specifications</p> <p>&gt; Composition V: the workshop in situ construction of the aedicule at a 1/1 scale exhibition and opening</p> <p>&gt; Lessons of this workshop will be collected in a common booklet produced for the evaluation.</p> <p><b>Calendar</b></p> <p>08/02 8 :30 12 :45 &gt; Présentation du séminaire</p> <p>22/02 8 :30 12 :45 &gt; Composition I: the wall &amp; opening</p> <p>08/03 8 :30 12 :45 &gt; Composition II: the brick / bloc</p> <p>22/03 8 :30 12 :45 &gt; Composition III: the joints</p> <p>03/05 8 :30 12 :45 &gt; Composition IV: the gesture</p> <p>05/06&gt;09/06 de 8 :30 à 18 :15 &gt; Composition V: the workshop in situ</p>
Contenu	<p>In the course of one's architectural studies, it is not always easy to come into contact with constructed matter. However, in recent years many traditional materials have seen their way of construction revisited, and many new building materials have been invented, and it is the role of the architect to imagine how to compose with them to lead to new architectural expressions.</p> <p>This course offers IMA students the opportunity to acquire an in-depth knowledge of a construction material used today, to compose a simple aedicule with specific details for each constructive situation, and to build <i>in situ</i> the small aediculae / or fragment of edifice representative of the whole during an intensive workshop at the end of the semester. The lessons drawn from this experience will be collected in a common booklet, along with the execution drawings and technical specifications.</p> <p>This teaching unit aims to develop transversal and practical skills in the fields of construction and materials. In particular, it aims to develop a thorough familiarity of the student with the documentation of technical, scientific and normative references. It also aims to develop a global and synthetic vision of materials and techniques related to the act of building. The course will combine theoretical teaching and applications to the project. At the end of this teaching unit, the student will be able to :</p> <p>-understand the constructive specificity of a building from drawing to construction, by using the technical, scientific and normative documentation related to construction materials and techniques</p>

	<ul style="list-style-type: none"><li>- realize hypotheses of materialization of the architectural project, by developing a proposal of relevant constructive systems with regard to the properties of a site and an architectural project</li><li>-to manage complex construction nodes (details),</li><li>- to produce documents allowing the communication of an architect's proposal to professionals.</li></ul> <p>Also, among the objectives of this EU will be the ability to work on a European territory in an international team and in English.</p>
Faculté ou entité en charge:	LOCI

<b>Programmes / formations proposant cette unité d'enseignement (UE)</b>				
Intitulé du programme	Sigle	Crédits	Prérequis	Acquis d'apprentissage
Master [120] en architecture/ TRN [Master International - en anglais]	ARCT2M	3		
Master [120] en architecture/ BXL [Master International - en anglais]	ARCB2M	3		