

3.00 credits

30.0 h

Q1

Teacher(s)	Gillis Christophe ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	<p>This teaching unit is designed to develop transferable and practical skills in the fields of Construction, Materials and Facilities.</p> <p>In particular, it is designed to develop extensive familiarity with the documentation of technical, scientific and regulatory references and professional communication tools (specifications and graphic material).</p> <p>It also aims to develop a global overview of materials and techniques involved in the process of building.</p>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>This teaching unit particularly focuses on three axes in the profile of the holder of a Master's degree in Architecture: giving concrete expression to a technical dimension, making use of other disciplines and adopting a professional approach.</p> <p><b>Specific learning outcomes:</b></p> <p>By the end of this course, students will be able to</p> <ul style="list-style-type: none"> <li>• make use of technical, scientific and regulatory documentation relating to building materials and techniques and HVAC systems.</li> <li>• develop and comprehensive proposal for construction systems and facilities which is appropriate for the properties of a site and an architectural project.</li> <li>• manage complex construction projects (details), using the interface of different techniques.</li> <li>• produce documents conveying an architectural proposal to professionals (specifications, drawings, etc.).</li> </ul> <p><b>Contribution to the learning outcomes reference network:</b></p> <p><b>1 Use the technical dimension</b></p> <ul style="list-style-type: none"> <li>• Be familiar with and interpret the main technical principles of construction</li> <li>• Observe and assess the main construction principles that give architecture a formal, material and temporal dimension</li> <li>• Be able to apply the various basic technical principles in producing a work of architecture</li> <li>• Acquire an instinctive understanding of structures to use in producing a creative and/or innovative work of architecture</li> </ul> <p><b>Express an architectural procedure</b></p> <ul style="list-style-type: none"> <li>• Express ideas clearly in oral, graphic and written form</li> </ul> <p><b>Adopt a professional attitude</b></p> <ul style="list-style-type: none"> <li>• Organise, plan, develop and bring together the different strands of individual or collective work</li> <li>• Test and observe the framework of professional practice and to architectural knowledge through independent involvement</li> </ul>
Bibliography	<p>Le Petit DICOBAT : Dictionnaire général du bâtiment, Jean de VIGAN, Edition ARCATURE, Paris</p> <p>Construire l'architecture ' du matériau brut à l'édifice, A.Deplazs &amp; Coll., 2008, Birkhauser, Bâle.</p> <p>Construire des façades, Th Herzog &amp; Coll., 2004, Edition DETAIL &amp; Presses polytechnique et universitaires romandes, Lausanne.</p> <p>Guide pratique des règles de l'art, M.Proces, O.Haenecour &amp; Th.Loeth, 2016, Edition Larcier, Bruxelles</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 (Bruxelles)	ARCB2M	3		