

3.00 credits

45.0 h

Q2

|                             |   |
|-----------------------------|---|
| Teacher(s)                  | De Paepe Mathieu ;Miner Franck ;  |
| Language :                  | French<br>> English-friendly  |
| Place of the course         | Tournai   |
| Main themes                 | This teaching unit is designed to reduce the gap between knowledge, research and the practice of construction through the use of materials. The activities focus particularly on materials themselves, construction materials which are derived from them, mixtures and assemblies to create an experimental and technical research laboratory on the scale of 1:1.   |
| Learning outcomes           | <p><b>At the end of this learning unit, the student is able to :</b></p> <p><b>Specific learning outcomes:</b><br/>By the end of this teaching unit, students are able to</p> <ul style="list-style-type: none"> <li>• assess construction materials with a greater understanding of their basic properties.</li> <li>• use materials in a creative and innovative way in construction.</li> <li>• make the link between materials and architecture to give meaning to the act of exploration.</li> </ul> <p><b>Contribution to the learning outcomes reference network:</b><br/>With regard to the Learning Outcomes Reference Framework of the Master's degree in Architecture, this teaching contributes to the development, acquisition and assessment of the following learning outcomes:</p> <p>1 <b>Test an artistic approach</b></p> <ul style="list-style-type: none"> <li>• To take a deliberate step from an uncertain beginning by assembling pre-existing concepts that are both first diffuse and heterogeneous, to reach a proposal that others can comprehend</li> </ul> <p><b>Adopt a professional attitude</b></p> <ul style="list-style-type: none"> <li>• Test and observe the framework of professional practice and to architectural knowledge through independent involvement</li> </ul> |
| Bibliography                | <p>ODIN, Françoise, THUDEROZ, Christian (2010). Des mondes bricolés? Art et sciences à l'épreuve de la notion de bricolage. Italie : Presses polytechniques et universitaires romandes</p> <p>SENNETT, Richard (2008). Ce que sait la main. La culture de l'artisanat. Paris : Albin Michel</p> <p>SIGAUT, François (2012). Comment Homo devint faber. Paris : CNRS Editions</p> <p>BOUDON, Philippe (1971). Sur l'espace architecturale. Essai d'épistémologie de l'architecture. Paris : Dunod</p> <p>BOUDON, Philippe, DESHAYES, Philippe (1979). Viollet-Le-Duc - Le dictionnaire d'architecture: relevés et observations. Bruxelles : Pierre Mardaga</p> <p>PEROUSE DE MONTCLOS (2011). Jean-Marie. Architecture - description et vocabulaire méthodique. Paris : Editions du patrimoine</p> <p>BOUDON, Philippe, ouvrage coordonné par- (1991). De l'architecture à l'épistémologie. La question de l'échelle. Paris : Presses Universitaires de France</p> <p>BERTHOZ, Alain (2009). La simplicité. Paris : Odile Jacob Sciences</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<br>(Tournai)            | ARCT2M  | 3       |              |  |
| Master [120] in Architecture<br>(Bruxelles)          | ARCB2M  | 3       |              |  |