



3.00 credits

30.0 h

Q2

|                             |   |
|-----------------------------|---|
| Teacher(s)                  | Thielemans Benoit ;   |
| Language :                  | French  |
| Place of the course         | Bruxelles Saint-Gilles  |
| Main themes                 | <p>This teaching unit will cover:</p> <ol style="list-style-type: none"> <li>1. the concept of sustainable development and the meaning of words related to the contemporary challenges of maintaining the conditions for mankind's existence</li> <li>2. the multi-disciplinary nature of the issue and possible responses against a background of the barriers in knowledge and action being broken down</li> <li>3. the issue of durability in architecture, with a critical examination of its ability to provide an appropriate answer to the issues at stake</li> <li>4. the methods to progress from design to effective implementation in an architectural project (design approaches, design and assessment methods, practical guides etc.)</li> </ol>  |
| 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/>Students will be able to develop and integrate the following skills:</p> <ul style="list-style-type: none"> <li>• Deal with the issue of sustainable development in a multi-disciplinary and holistic way, involving social, economic and environmental aspects of architecture</li> <li>• Develop awareness of the impact of architecture on sustainable development issues</li> <li>• Be familiar with the basic concepts and develop methods of action (designs, methods etc.) to make an architectural project a sustainable one</li> <li>• Recognise the specific role of the architect to bring sustainable development factors into architectural design</li> <li>• Create a multi-disciplinary link between the compulsory teaching units at Bachelor's level (plants, town planning, materials, facilities, building physics and perception) and sustainable construction in a multi-disciplinary and holistic approach to the architecture studio.</li> </ul> <p><b>Contribution to the learning outcomes reference network:</b><br/>With regard to the <b>Learning Outcomes Reference Framework</b> of the Master's degree in Architecture, this teaching contributes to the development, acquisition and assessment of the following learning outcomes:</p> <p><b>Build knowledge of architecture</b></p> <ol style="list-style-type: none"> <li>1             <ul style="list-style-type: none"> <li>• Be familiar with and analyse the discipline's basic references</li> <li>• Be able to use given references which, by analogy, can lead to other interpretations of the context</li> </ul> </li> </ol> <p><b>Place the action</b></p> <ul style="list-style-type: none"> <li>• Identify and analyse the paradigms on which the study is based according to various given methods and starting from various points of view</li> <li>• Experiment with the possibilities of transforming a context</li> </ul> <p><b>Make use of other subjects</b></p> <ul style="list-style-type: none"> <li>• Seek out other approaches, exchanges of views and ways of enhancing thinking about architecture</li> </ul> <p><b>Use the technical dimension</b></p> <ul style="list-style-type: none"> <li>• Observe and assess the main construction principles that give architecture a formal, material and temporal dimension</li> </ul> <p><b>Make committed choices</b></p> <ul style="list-style-type: none"> <li>• Make links between different methodological and epistemological perspectives</li> </ul> |
| Faculty or entity in charge | LOCI  |

| <b>Programmes containing this learning unit (UE)</b> |         |         |              |   |
|--|---------|---------|--------------|---|
| Program title  | Acronym | Credits | Prerequisite | Learning outcomes   |
| Bachelor in Architecture<br>(Bruxelles)              | ARCB1BA | 3       |              |  |
| Bachelor in Architecture<br>(Tournai)                | ARCT1BA | 3       |              |  |