UCLouvain

lbarc2166

2018

Sustainable architecture

3 credits	30.0 h	Q2

Teacher(s)	Thielemans Benoit ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	This teaching unit will cover: 1. the concept of sustainable development and the meaning of words related to the contemporary challenges of maintaining the conditions for mankind's existence 2. the multi-disciplinary nature of the issue and possible responses against a background of the barriers in knowledge and action being broken down 3. the issue of durability in architecture, with a critical examination of its ability to provide an appropriate answer to the issues at stake 4. the methods to progress from design to effective implementation in an architectural project (design approaches, design and assessment methods, practical guides etc.)
Aims	**Specific learning outcomes** Students will be able to develop and integrate the following skills: • Deal with the issue of sustainable development in a multi-disciplinary and holistic way, involving social, economic and environmental aspects of architecture • Develop awareness of the impact of architecture on sustainable development issues • Be familiar with the basic concepts and develop methods of action (designs, methods etc.) to make an architectural project a sustainable one • Recognise the specific role of the architect to bring sustainable development factors into architectural design • 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. **Contribution to the learning outcomes reference network:** 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: **Build knowledge of architecture** 1 • Be familiar with and analyse the discipline's basic references • Be able to use given references which, by analogy, can lead to other interpretations of the context **Place the action** • Identify and analyse the paradigms on which the study is based according to various given methods and starting from various points of view • Experiment with the possibilities of transforming a context **Make use of other subjects** • Seek out other approaches, exchanges of views and ways of enhancing thinking about architecture **Use the technical dimension** • Observe and assess the main construction principles that give architecture a formal, material and temporal dimension **Make committed choices** • Make links between different methodological and epistemological perspectives - - - - *The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".*
Faculty or entity in charge	LOCI

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Architecture (Bruxelles)	ARCB2M	3		
Master [120] in Architecture (Tournai)	ARCT2M	3		