UCLouvain

lbarc1346

2021

Designing with light

3.00 credits	30.0 h	Q2

Teacher(s)	Capron Jean-Luc ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	This course aims to train future architects in strategies and design tools integrating the space-light dimension; more specifically this module develops the relationship between space and light, both natural and artificial. Projecting spaces with light is based on an analytical approach, integrating the sensitive dimension: establishing "light strategies" materialized by "light effects" and generated by "light mechanisms". Understanding the link between space and light implies understanding its sensitive and poetic dimension, through theoretical input, in situ observations and life-size experiments. Objectifying any project with light requires mastery of computer lighting software: from the insertion of photometric data to the reading and interpretation of results, and the expression of the atmosphere obtained through synthetic images. At the end of the course, students will be able to design spaces, both indoor and outdoor, integrating light and to draw up lighting plans for environments built on the basis of spatial perceptions and the way these places are used.
Learning outcomes	**At the end of this learning unit, the student is able to :** By the end of this session, students will be able to develop and integrate the following skills: 1 • Integrate diverse approaches to exchange and nourish architectural reflection. • Adopt approaches for their projects that are methodical, creative, metaphorical, perceptive, collaborative. • Imagine levers capable of transforming an understanding of reality. • Experiment with the possibilities of transforming a context. • State and prioritize intentions in order to make project choices. • Experiment and use appropriate means of communication according to the objectives pursued.
Faculty or entity in charge	LOCI

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Architecture (Bruxelles)	ARCB1BA	3		
Bachelor in Architecture (Tournai)	ARCT1BA	3		