


3.00 credits

30.0 h

Q2

Teacher(s)	Capron Jean-Luc ;
Language :	French > English-friendly
Place of the course	Bruxelles Saint-Gilles
Main themes	<p>The course is designed to train future architects to use tools for the analysis and design of an environment created by being able to use the space-light-colour dimension. More specifically the relationship between space and light, both natural and artificial and the relationship between space and colour, light and matter.</p> <p>We will develop the following topics:</p> <ol style="list-style-type: none"> 1. Definition of light and colour as a perceptual phenomenon, establishing the space and generating architectural atmosphere 2. Spatial and perceptual analysis of architectural examples using light and colour from the beginning of the design process 3. Experimentation showing the spatial relationship between light, both natural and artificial and colour, light and matter 4. Use of special software, tools for design and expressing architectural atmosphere 5. Establishment of typologies of atmosphere and their photometric and colorimetric, graphic and spatial characteristics 6. Design of light and colour plans with spatial characteristics defined with regard to human factors.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>Specific learning outcomes: By the end of this course, students will be able to</p> <ul style="list-style-type: none"> • list the characteristic features of atmospheres generated by light and colour. • identify the perceptual parameter of spatial perception. • interpret strategies for choosing light and colour. • test different perceptual atmospheres, using appropriate tools. • draw up light and colour plans with specific spatial characteristics. • set out strategies for choosing atmospheres using light and colour. <p>Contribution to the learning outcomes reference network:</p> <p>Design a project Adopt approaches which are methodical, creative, metaphorical, perceptive, collaborative etc.</p> <p>1 Test an artistic approach</p> <ul style="list-style-type: none"> • To imagine drivers which can transform the perception of what is real <p>Place the action</p> <ul style="list-style-type: none"> • Experiment with the possibilities of transforming a context <p>Make use of other subjects</p> <ul style="list-style-type: none"> • Make strategic use of other subjects to put into question the design and implementation of an architectural project <p>Express an architectural procedure</p> <ul style="list-style-type: none"> • Identify the founding elements of a hypothesis or a proposal to express and communicate them

<p>Bibliography</p>	<p>La bibliographie complète est accessible sur Moodle.</p> <p>Capron, Jean-Luc (2012). Impact of the Interaction between Colour, Light and Vision on the Perception of Spatial Boundaries. 8th Color Conference, Bologna du 13/09/2012 au 14/09/2012.</p> <p>Capron, Jean-Luc. Coloured Light Sequences based on Human Perception : The case of a lit sculpture in an urban open space. AIC 2011, Interaction of Colour & Light in the Arts and Sciences, Midterm Meeting of the International Color Association (Zurich, du 07/06/2011 au 10/06/2011). In: AIC 2011, Interaction of Colour & Light in the Arts and Sciences, Midterm Meeting of the International Color Association, Zurich, Switzerland, 7–10 June 2011: Conference Proceedings, pro/colore: Zurich, 2011. 978-3-033-02929-3, p. 50-53.</p> <p>Capron, Jean-Luc. Couleur et environnement construit. In: Architecture UCLouvain - St-Luc Architecture -Site de Bruxelles, UCLouvain - St-Luc Architecture - Site de Bruxelles: Bruxelles, 2010, p. 69.</p> <p>Capron, Jean-Luc. Lumière et environnement construit. In: Architecture UCLouvain - St-Luc Architecture - Site de Bruxelles, UCLouvain - St-Luc Architecture - Site de Bruxelles: Bruxelles, 2010, p. 68.</p> <p>Capron, Jean-Luc. Pour une nouvelle approche de l'éclairage architectural. In: Architecture UCLouvain - St-Luc Architecture - Site de Bruxelles, UCLouvain - St-Luc Architecture - Site de Bruxelles: Bruxelles, 2010, p. 66-67.</p> <p>Capron, Jean-Luc ; Huysmans, Marie-Hélène. Textile Design based on Built Environment and User Specificities: Re-scaling a classroom with colored patterns on textile. Interim Meeting AIC COLOR 2002 SI, COLOR & TEXTILES (Maribor, du 29/08/2002 au 31/08/2002). In: AIC COLOR 2002 SI "Color & Textiles" – Book of Proceedings, 2003. 86-435-0528-5, p. 69-76.</p>
<p>Other infos</p>	<p>The course is English friendly.</p>
<p>Faculty or entity in charge</p>	<p>LOCI</p>

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Architecture (Tournai)	ARCT2M	3		
Master [120] in Architecture (Bruxelles)	ARCB2M	3		