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5.00 credits	90.0 h	Q1
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Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	<p>This course uses physical drawing to introduce students to the modes of representation specific to the discipline and the mental processes required to observe and visualize objects in three dimensions while graphically representing them in two dimensions. The tools and media employed encourage students to take a fresh, analytical perspective on their immediate environment.</p> <p>The introduction to the foundations of representation is complemented by a cultural exploration. Themes covered include line drawing, proportions, composition, orthogonal (geometric representation), oblique (axonometry), and conical (perspective) projections, shading, scales, observational drawing, expressive drawing, communication drawing.</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <ul style="list-style-type: none"> • Understand and apply the codes and methods used to represent a simple architectural space, whether really observed or imagined in three dimensions, • Represent space using orthogonal, cylindrical, and conical projections, • Manipulate planes and straight lines using Monge's theory, • Handle complex surfaces by understanding their geometric properties, • Depict architectural objects in terms of light and shadow, using both theoretical and real light sources, • Graphically convey, with intention, the experience of spatiality, • Organize, plan, develop, and summarize individual work within a given timeframe. <p>General Learning Outcomes</p> <p>In line with the program's learning outcomes (LOs), this course contributes to the development and acquisition of the following LOs:</p> <ul style="list-style-type: none"> • LO1.1 Identify the parameters and issues of a given situation. • LO2.1 Acquire and proficiently apply the conventions of representation in two and three dimensions. • LO2.3 Proficiently portray spatial experiences. • LO5.2 Organize individual or collective work attentively and inclusively.
Faculty or entity in charge	LOCI

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Architecture (Bruxelles)	ARCB1BA	5		