

5.00 credits

90.0 h

Q2

Teacher(s)	Delcommune Thierry ;Malevez Jerome (coordinator) ;Perez Perez Manuel ;
Language :	French
Place of the course	Bruxelles Saint-Gilles
Main themes	<p>This course explores the knowledge and skills involved in analog drawing while introducing the basics of digital drawing. The tools and media employed encourage a critical and reflective approach to modes of representation and expression, as well as consideration of their consequences and environmental impact.</p> <p>The acquisition of foundational representation techniques 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><u>General Learning Outcomes</u></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.
Bibliography	<p>Quelques ouvrages qui initient à l'expression et à la représentation :</p> <p>CHING F.D.K. (2005). <i>Dessin de design architectural</i>. Québec : Thomson.</p> <p>DURAND J.-P. (2003). <i>La représentation du projet. Approche pratique et critique</i>. Paris : La Villette (coll. École d'architecture de Grenoble).</p> <p>FLOCON A. & TATON R. (1963). <i>La perspective</i>. Paris : PUF (coll. Que-sais-je ?).</p> <p>LAPRADE A. (1920-50). <i>Les carnets d'architecture d'Albert Laprade</i>. Paris : Kubik, éd.2006.</p> <p>LEBAHAR J.Ch. (1983). <i>Le dessin d'architecte : Simulation graphique et réduction d'incertitude</i>. Paris : Parenthèses.</p> <p>PAULY D. (2006). <i>Le Corbusier : Le dessin comme outil</i>. Nancy : Fage.</p> <p>PANOFSKY E. (1976). <i>La perspective comme forme symbolique</i>. Paris : Minuit.</p>
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		