

4.00 credits

30.0 h + 15.0 h

Q2

Teacher(s)	De Groote Geert ;
Language :	French
Place of the course	Tournai
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	<p>In Brussels, the teaching is cumulative and progressive, from the shell to the finishing details, while in Tournai construction and materials are taught in a global way; in this way, students can form logical groupings.</p> <p>This teaching unit describes the construction methods and assembly of complex walls which must respond to multiple requirements (structural, constructional, thermal, functional etc.). It links different technical disciplines and shows a range of different response to specific situations in architecture.</p>
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>The objective of this teaching unit is to generate the necessary skills to bring architectural objectives into line with how to translate them into material terms.</p> <p>Specific learning outcomes:</p> <p>By the end of the course, students will be able to</p> <ul style="list-style-type: none"> • be familiar with and refer to the physical and construction properties of the main materials and elements of construction. • be familiar with and refer to a wide range of elements of construction. • produce a budget for technical details combining the different requirements in building, insulation and waterproofing. • make use of technical documentation involved in construction techniques. • develop appropriate building proposals in relation to a simple architectural objective. <p>Contribution to the learning outcomes reference framework:</p> <p>Use the technical dimension</p> <ul style="list-style-type: none"> • Be familiar with and describe the main technical principles of building • Observe and assess the main construction principles of a building • Be able to apply the various basic technical principles in a producing a work of architecture <p>Express an architectural procedure</p> <ul style="list-style-type: none"> • Express ideas clearly in oral, graphic and written form
Bibliography	<ul style="list-style-type: none"> - Andrea Deplazes, <i>Construire l'architecture</i>, Birkhäuser, 2013, Bâle - Alexander Reichel, Kerstin Schultz, <i>Support I Materialise</i>, Birkhäuser, 2013, Bâle - Bert Bielefeld, <i>Basics building construction</i>, Birkhäuser, 2015, Bâle - Alexander Reichel, Kerstin Schultz, <i>Open/Close</i>, Birkhäuser, 2010
Faculty or entity in charge	LOCI

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Architecture (Tournai)	ARCT1BA	4	LTARC1164	