

3.0 credits	30.0 h	1q
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Teacher(s) :	Zastavni Denis ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	<p>The course will describe and analyze, structurally and spatially, the main types of constructive systems available for architectural design. The course will examine how matter supports itself (e.g. load-bearing masonry) and how it can span open spaces. Elementary building systems will be addressed (wall, column, post, beam, lintel, arch, floor, slab, vault, cupola) and situated within relatively complex buildings. The course will describe and analyze phenomena of compression, tension, bending, fixed and free supports, shearing, buckling, and torsion. The technology of construction will be studied in its complicity with the poetics of place. The course will be based on case studies: exemplary buildings or works from history or from the contemporary era, both major and minor or common buildings.</p>
Aims :	<p>By the end of the course, students will be able to :Be introduced to the principal types of constructible spatial structures available to architectural design;Understand through sensory intuition and experimentation the physical behavior of these structures;Understand their respective potentials and qualities for the design of habitable places;Relate these structures to different building types from history or from the contemporary situation</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Content :	:
Other infos :	:
Cycle and year of study :	> Bachelor in Engineering : Architecture
Faculty or entity in charge:	LOCI