

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

3 credits	30.0 h	Q2
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Teacher(s)	Marino Giulia ;Piroux Vincent ;
Language :	French
Place of the course	Bruxelles
Main themes	<p>This teaching unit aims to develop students's skill in the representation of materiality in the fields of of graphic representation of the architectural project, as well as in the field of construction and building materials.</p> <p>In particular, it aims to develop the acquisition of knowledge and promote the composition of the architectural project through its materiality and representation. This will include the expression of architectonics, the drawing of the material's implementation, as well as respect for specific graphic codes when representing the constructed project in various scales. Theoretical and practical teachings aim to build the needed knowledge on materials, their implementation and representation through practical learning sessions based on observation, representation, abstraction and conceptualization.</p> <p>The ultimate objective is to give students the ability to think about architecture through its materiality and representation in accordance with a common "Graphic Charter".</p> <p>The experimentation and learning sessions will have the following characteristics:</p> <ul style="list-style-type: none"> • A study of matter, its properties and representation. • The observation and analysis of production drawing. • Experimenting with techniques used to represent materiality and constructive options of a project (survey, sketch, layout, axonometry, etc.). • Understanding the rules of graphic correspondence between a plan, a section, an elevation. The resolution of an angle by its axonometric representation. • The knowledge to be acquired or developed is: • The ability to compose an architectural project through its material embodiment, constructive understanding and aesthetics. • The acquisition of specific codes of representation for the stages of the architectural project (Sketch, Preliminary draft, Building Permit Plan, etc.) at the different drawing scales (Scale 0.5/100; 1/100; 2/100). The meaning and value of the different graphic strokes and their thickness will be taught for this purpose. • The acquisition of normative representation codes specific to plans and technical sections, particularly those specific to architectural detail, according to the various scales of graphic design (2/100 & 5/100). The dimensioning techniques (layout, plan, cut, elevation) will be initiated. <p>The constitution of a "graphic charter" of representation (tool common to the different fields) and the constitution of graphic references.</p> <p>The teaching unit is directly linked to the knowledge and experience developed in the following courses: Architectural project (Bac); "Architectonic" project, Construction & Materials, Drawings.</p>
Aims	<p>This teaching unit is at the intersection of two tracks of achievement for undergraduate students in architecture: expressing an architectural approach and actualizing a technical dimension.</p> <p>More specifically: at the end of this activity, the student will be able to develop and integrate the following skills:</p> <ul style="list-style-type: none"> • Understanding the stakes of building materials and their use in the act of composing the architectural project. • Observing and graphically illustrating the characteristics of a material and/or material composition. • Experimenting with and using appropriate means of representation to illustrate a conceptual and constructive approach. • Applying the graphic representation codes of an architectural project at various representation scales (0.5/100; 1/100 & 2/100). • Applying the standardized graphic codes in the graphic representation of an architectural detail (Plan / Section / Elevation) at a scale of 5%. <p>-----</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>

Faculty or entity in charge	LOCI
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Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Architecture (Bruxelles)	ARCB1BA	3		