

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	15.0 h + 22.5 h	Q1
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Teacher(s)	Delcommune Thierry ;Malevez Jerome ;
Language :	French
Place of the course	Bruxelles
Main themes	Monge 1: <ul style="list-style-type: none"> • Vocabulary of geometric realities • Real size • Lines on the plane • Perpendicularity of a line in relation to a plane • Axonometry
Aims	Specific learning outcomes: While developing vision in three dimensional space and graphic thinking, students will be introduced to: <ul style="list-style-type: none"> • reading space and the graphic and coded representation of an architectural product • constructing an axonometry according to different projections • applying the fundamental principles of Monge's theorem 1 Contribution to the learning outcome reference framework: Express an architectural procedure <ul style="list-style-type: none"> • Be familiar with, understand and use the codes for representing space, in three dimensions • Test and use relevant means of communication in relation to the target objectives • Express ideas clearly in oral, graphic and written form ---- <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>
Bibliography	Guion, A. Cours de géométrie Descriptive : Tome 2, Méthode des plans cotés. Bruxelles : édition De Boeck, 1969 De Sloovere H. Cours de Géométrie Descriptive : Méthode de Monge. Bruxelles : édition De Boeck, 1991 JUNGSMANN, J-P. Ombres et lumières : un manuel de tracé et de rendu. Paris : édition de la Vilette, 1995 Aubert J. Cours de dessin d'architecture à partir de la géométrie descriptive. Paris : édition de la Vilette, 1980 De Herde A., Gracia E. et Le Paige M. Guide d'aide à la conception bioclimatique. Louvain-La-Neuve : Ed. C.R.A., Architecture et Climat, 1986 Carlo Argan, Carlo. Perspective et histoire au Quattrocento. Chatillon-sous-Bagneux : édition de la passion, 1990 Durant, J-P. La représentation du projet : Approche pratique et critique. Paris : édition de la Vilette, 2003 Savignat, J-M. Dessin et architecture du Moyen-âge au XVIIIème siècle. Paris : Ecole Nationale Supérieure des Beaux-arts, 1980 Ludi, Jean-Claude. La perspective pas à pas : Manuel de construction graphique de l'espace et tracé des ombres. Paris : Dunod, 2009 (3ème édition)
Faculty or entity in charge	LOCI

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