UCL Université catholique de Louvain

LBARC1121

2015-2016

Spatial geometry II

2.0 credits	15.0 h + 15.0 h	2q

Teacher(s) :	Delcommune Thierry ; Malevez Jerome ;
Language :	Français
Place of the course	Bruxelles
Aims :	*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".*
Evaluation methods :	Students will sit a written examination on the material pertaining to Monge II in the May-June session, at the end of the quadrimester. The evaluation of the material on perspective will be based on a graded exercice that will be handed in upon completion of the partical assignments and at the end of the quadrimester by the examination.
Teaching methods :	Theoretical notions will be presented and then explored in increasing depth by resolving problems that arise in the course of pratical assignments. The students assimilate the general notions in order to constitute a synthetic vision of the material. They will be called on in class in order to encourage active learning. Then students test their knowledge by attempting to find essentially graphic solutions to problems that arise in the course of pratical assignments. Students will constantly have the opportunity to self-evaluate, particularly through the publication on iCampusof their solutions to assigned exercices.
Content :	MONGE II -- Definition of planes and representations of volumes in space -- Manipulation of planes and volumes by the techniques of rabattement and projection -- Section and interpenetration of volumes -- Development of the concepts of the intersection of planes and of points of intersection PERSPECTIVE -- Definition of the constutive elements of conic projection and of their peculiarities -- Choice positioning of the image and the spectator -- Resoluation of an image in perspective with or without accessible vanishing three dimensions that arise in the course of the architecture project
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 -- Jungman 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 géomatrie 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. Chantillon-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 / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Bachelor in architecture (Bruxelles)	ARCB1BA	2	-	