LARCT2111

2015-2016

Stabilité et conception des structures II

3.0 credits	45.0 h	2q

Teacher(s) :	Gallez Olivier ;
Language :	Français
Place of the course	Tournai
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 :	Written examen.
Teaching methods :	Lectures with exercices inspired by real buildings.
Content :	The following chapters will be studied : 1. The contribution of the prestressing concrete 2. Design of a prestressed beam 3. Losses and distortions 4. Free prestressed beam 5. The Vierendeel 6. Bidirectional elements : ° Plates, Slabs ° Cross-beams ° Three dimensional structures 7. Determinate and indeterminate arcs 8. Cables structures : ° Weighted structures ° Jawerth beams 9. Double curvature structures : ° Positive : domes ° Negative : hyperbolic paraboloids ° Null : arches
Bibliography :	Syllabus.
Faculty or entity in charge:	LOCI

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Architecture (Tournai)	ARCT2M	3	-	