UCL LSINF1111 Introduction à l'analyse 2016-2017 7.0 credits 45.0 h + 37.5 h 1q

Teacher(s) :	Ben-Naoum Abdou Kouider ; Wertz Vincent ;					
Language :	Français					
Place of the course	Louvain-la-Neuve					
Language : Place of the course Main themes :	Français Français Louvain-la-Neuve The course focuses on understanding of mathematical tools and techniques based on a rigorous learning of concepts favored by highlighting their practical application, careful handling of these tools and techniques in the framework of applications. For most concepts, applications are selected from the other courses of the computer science program (eg economy). Selts and Numbers sets (intersection, union, difference) Order and equivalence, for most concepts, lower bounds, extremes, sequence of numbers and roots sequence of numbers and roots first order functions, free roots on evanable Composition of functions (including graphic interpretation) Termostions functions and inverse functions Composition of functions and inverse functions Imits to infinity continuous functions The Hospital's theorem, Image approximation of a function,					
	 maximum and minimum, encreasing of decreasing function (sign study) concavity and convexity, asymptotes, integrals 					
	 primitive, definite integrals (including graphic interpretation)					

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	 undefinite integrals
Aims :	Given the learning outcomes of the "Bachelor in Engineering" program, this course contributes to the development, acquisition and evaluation of the following learning outcomes: S1.G1 S2.2 Students completing successfully this course will be able to Model real problems using the concepts of set, function, limit, derivative and integral;
Faculty or entity in charge:	INFO

Programmes / formations proposant cette unité d'enseignement (UE)							
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage			
Bachelor in Computer Science	SINF1BA	7	-	٩			