UCLouvain Imat2410 2023 Partial differential equation : heat equation, brownian moves and numerical aspects 5.00 credits 30.0 h + 15.0 h Q2

This learning unit is not being organized during this academic year.

Language :	French > English-friendly			
Place of the course	Louvain-la-Neuve			
Prerequisites	Students are expected to have followed an introduction to functional analysis or partial differential equations such as : LMAT1321 - Functional Analysis and Partial Differential Equations, or LINMA1315 - Complements of Analysis, or LMAT2130 - Partial Differential Equations 1: Poisson and Laplace Equations			
Main themes	Study of partial differential equation based on methods from real analysis, harmonic analysis, functional analysis and measure theory. The goal is to establish the existence, uniqueness and qualitative properties of solutions.			
Learning outcomes	 At the end of this learning unit, the student is able to : Contribution of the course to the learning outcomes of the Master's programme in mathematics. At the end of this activity, the student will have progressed in :			

Université catholique de Louvain - Partial differential equation : heat equation, brownian moves and numerical aspects - en-cours-2023-Imat2410

Faculty or entity in charge	МАТН

Programmes containing this learning unit (UE)						
Program title	Acronym	Credits	Prerequisite	Learning outcomes		
Master [120] in Mathematical Engineering	MAP2M	5		٩		