

Master Research - M2
PDE's and Numerical analysis linked to AI
2026-2027

Semestre 3	Courses			
	Code	Title	Credits	Hours
	Common Courses			
	RMSE 500	Research Methodology and Scientific English	2	24
	NUMA 500	Numerical analysis and Approximation Methods for Mathematical Models	4	28
	Fondamental courses			
	PNAI 500	Evolution problems	5	35
		One course from other master	5	35
	Specialized Courses			
	PNAI 501	Asymptotic models and their application in oceanography and AI	3	21
	PNAI 503	Optimization theory for AI	3	21
	PNAI 504	Introduction to neural network methods for partial differential equations	4	28
	PNAI 505	Spectral analysis for stabilization problems	4	28
	Additional List of Specialized Courses			
	PNAI 502	Dispersive and hyperbolic PDEs	4	28
	PNAI 506	Compactness Method and Applications	3	21
	Total		30	269

Semestre 4	Course			
	Code	Title	Credits	Hours
	PNAI 580	Master Thesis	30	
	Total		30	