

Study plan
Name of the field of study: Mathematics **Level of study: first-cycle study** **Study profile : general academic** **Full-time study**
Academic year 2026/2027
Specialty - Applications of mathematics in finance

Code	Subject	year 1								year 2						year 3						Number of ECTS	number of ECTS credits allocated to courses related to scientific activity																				
		semester 1				semester 2				semester 3			semester 4			semester 5			semester 6																								
		Total	lecture	classes	laboratory	diploma seminar	foreign language	PE	professional internships	lecture	classes	laboratory	PE	ECTS	form of credit	lecture	classes	foreign language	ECTS	form of credit	lecture			classes	laboratory	diploma seminar	foreign language	ECTS	form of credit	lecture	classes	laboratory	diploma seminar	professional internships	ECTS	form of credit							
25	Optimization Theory	60	30	0	30	0	0	0												30	30													5									
26	Database Systems	60	30	0	30	0	0	0													30	30			6	E								6									
27	Operating Systems	45	15	0	30	0	0	0													15	30			3	GC								3									
28	Graph Theory	30	15	15	0	0	0	0													15	15			2	GC								2									
29	Introduction to the R System	45	0	0	45	0	0	0														45			3	GC								3									
30	Computer Tools in Mathematical Applications	30	0	0	30	0	0	0														30			2	GC								2									
31	Basics of Economics	60	30	30	0	0	0	0							30	30		5	GC															5									
32	Introduction to Mathematical Economics	60	30	15	15	0	0	0													30	15	15			5	E							5									
33	Insurance Mathematics	60	30	30	0	0	0	0																		30	30					5	GC	5									
34	Econometrics	60	30	0	30	0	0	0													30	30				5	GC							5									
35	Introduction to Financial Mathematics	60	30	0	30	0	0	0																		30	30					5	GC	5									
Total for Specialty:		570	240	90	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	0	5	30	0	105	0	10	120	30	105	0	0	21	60	30	30	0	0	10	46	
Total for General and Major Subjects:		1425	570	480	135	60	120	60	0	150	150	45	30	32	135	120	30	30	30	30	105	120	30	24	90	60	60	30	19	30	0	30	30	30	10	60	30	0	30	15	130	105	
Total for Subjects:		1995	810	570	375	60	120	60	0	150	150	45	30	32	135	120	30	30	30	135	150	30	29	120	60	165	30	29	150	30	135	30	30	31	120	60	30	30	0	25	176	105	
36	Professional Internships	90						90																													90	4	GC	4			
Grand Total:		2085	810	570	375	60	120	60	90	150	150	45	30	32	135	120	30	30	30	135	150	30	29	120	60	135	30	29	150	30	135	30	30	31	120	60	60	30	90	29	180	105	

Distance learning (methods and techniques): 0 hours and 0 ECTS points.

Adopted at the meeting of the Faculty Council of the Faculty of Exact and Technical Sciences by Resolution No. 6/03/2026 on March 16, 2026

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 Dean of the Faculty

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 Compliance with the study programme is hereby confirmed
 Signature of the Dean's Office employee

