

No.	COURSE NAME	Hours per semester	ECTS	Form of assignment	SEMESTER 1				SEMESTER 2				SEMESTER 3				SEMESTER 4					
					Form of classes				Form of assignment	ECTS	Form of classes				Form of assignment	ECTS	Form of classes				Form of assignment	ECTS
					L	C	La	P			S	Pra	L	C			La	P	S	Pra		
1	English 1	30	2	O																		
2	English 2	30	2	E																		
3	Functional Analysis	60	6	EO					30	30												
4	Real and Complex Analysis	60	7	EO	30	30																
5	Topology	60	7	EO	30	30																
6	Differential Geometry	60	7	EO	30	30																
7	Discrete Mathematics and Mathematical Foundations of Computer Science	60	7	EO	30	30																
8	Partial Differential Equations	90	10	EOO													30	30	30			
9	Diploma Seminar 1	30	3	O																		
10	Diploma Seminar 2	60	6	O																		
11	Diploma Seminar 3	60	9	Z																		
1	Combinatorial Analysis	60	5	OO					30	30												
2	Data Warehouse	45	5	OO					15	30												
3	Specialist Laboratory Class	30	3	O																		
4	Algorithmical Methods	45	6	EO									15	30								
5	Specialist Seminar 1	30	2	O																		
6	Specialist Seminar 2	30	2	O																		
7	Specialist Seminar 3	30	2	Z																		
8	Topics in Discrete Mathematics 1	60	7	EO					30	30												
9	Topics in Discrete Mathematics 2	60	7	EO									30	30								
10	Monographic Lecture	30	4	E									30									
1	Operations Research	45	6	EO									15	30								
2	Econometrics	90	8	OOO									30	30								
3	Mathematical Economics 2	60	7	EO					30	30												
4	Mathematical Programming	90	10	EOO					30	30	30											
5	Specialist Seminar 1	30	2	O																		
6	Specialist Seminar 2	30	2	O																		
7	Specialist Seminar 3	30	2	Z																		
8	Game Theory in Economics	45	6	EO									30	15								
1	Financial Engineering	60	8	EOO									30	15	15							
2	Actuarial Methods	60	7	EO					30	30												
3	Stochastic Processes 1	60	7	EO					30	30												
4	Stochastic Processes 2	60	7	EO									30	30								
5	Specialist Seminar 1	30	2	O																		
6	Specialist Seminar 2	30	2	O																		
7	Specialist Seminar 3	30	2	Z																		
8	Time Series	90	8	OOO													30	30	30			
1	Qualitative Theory of Differential Equations	60	8	EOO									30	15	15							
2	Stochastic Processes 1	60	7	EO					30	30												
3	Specialist Seminar 1	30	2	O																		
4	Specialist Seminar 2	30	2	O																		
5	Specialist Seminar 3	30	2	Z																		
6	Control Theory 1	60	7	EO					30	30												
7	Control Theory 2	60	7	EO									30	30								
8	Selected Problems of Mathematical Modelling	90	8	OOO									30	30	30							

Compulsory subjects module	600	66	7 E	270	4 E	30	120	2 E	11	60	0 E	6	150	1 E	19
Specialty - Mathematical Computer Science	420	43	4 E	0	0 E	0	195	1 E	19	165	3 E	19	60	0 E	5
Specialty - Mathematics and Computer Science in Economics	420	43	4 E	0	0 E	0	180	2 E	19	210	2 E	22	30	0 E	2
Specialty - Mathematics and Computer Science in Finance and Insurance	420	43	4 E	0	0 E	0	150	2 E	16	150	2 E	17	120	0 E	10
Specialty - Mathematical Modelling	420	43	4 E	0	0 E	0	150	2 E	16	240	2 E	25	30	0 E	2
Total (specialty - Mathematical Computer Science)	1020	109	11 E	270	4 E	30	315	3 E	39	225	3 E	25	210	1 E	24
Total (specialty - Mathematics and Computer Science in Economics)	1020	109	11 E	270	4 E	30	300	4 E	39	270	2 E	28	180	1 E	21
Total (specialty - Mathematics and Computer Science in Finance and Insurance)	1020	109	11 E	270	4 E	30	270	4 E	27	210	2 E	23	270	1 E	29
Total (specialty - Mathematical Modelling)	1020	109	11 E	270	4 E	30	270	4 E	27	300	2 E	31	180	1 E	21

Total without practices 1020 109

Additional subjects offered for degree course: MATHEMATICS

No.	COURSE NAME	SEMESTER 1				SEMESTER 2				SEMESTER 3				SEMESTER 4							
		Form of classes				Form of assignment	ECTS	Form of classes				Form of assignment	ECTS	Form of classes				Form of assignment	ECTS		
		L	C	La	P			S	Pra	L	C			La	P	S	Pra			L	C
1	Combinatorial Analysis					30	30							30	30						
2	Web Applications																	30	30		
3	Operations Research													15	30						
4	Econometrics													30	30						
5	Mathematical Economics 2					30	30											30	30		
6	History of Mathematics																	30	15		
7	Data Warehouse																	15	30		
8	Financial Engineering													30	15	15					
9	Qualitative Theory of Differential Equations													30	15	15					
10	Computer Image Processing													15							
11	Specialist Laboratory Class																				
12	LaTeX																				
13	Actuarial Methods					30	30											30	30		
14	Algorithmical Methods													15	30						
15	Numerical Methods 2													30	30						
16	Mathematical Modelling 1													30	30						
17	Mathematical Modelling 2																	30	30		
18	Modelling in Finance 2													30	30						
19	Mathematical Workshop 2																				
20	Stochastic Processes 1					30	30											30	30		
21	Stochastic Processes 2													30	30						
22	Quantum Computing																	30	30		
23	Mathematical Programming					30	30											30	30		
24	Specialist Seminar 1																				
25	Specialist Seminar 2																				
26	Specialist Seminar 3																				
27	Computer Networks					30	30											30	30		
28	Time Series																	30	30		
29	Game Theory in Economics													30	15						
30	Control Theory 1					30	30											30	30		
31	Control Theory 2													30	30						
32	Selected Problems of Mathematical Modelling																	30	30		
33	Topics in Discrete Mathematics 1					30	30														
34	Topics in Discrete Mathematics 2													30	30						
35	Monographic Lecture													30							
1	English for Specific Purposes													30							
2	Practical Stylistics																	30			
1	Pedagogy 2																				