

No.	COURSE NAME	Hours per semester	ECTS	Form of assignment	SEMESTER 1					SEMESTER 2					SEMESTER 3					SEMESTER 4				
					Form of classes					Form of classes					Form of classes					Form of classes				
					L	C	Lab	P	S	L	C	Lab	P	S	L	C	Lab	P	S	L	C	Lab	P	S
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																				
5	Topology	60	7	EO																				
6	Differential Geometry	60	7	EO																				
7	Discrete Mathematics and Mathematical Foundations of Computer Science	60	7	EO																				
8	Partial Differential Equations	90	10	EOO																				
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																				
9	Topics in Discrete Mathematics 2	60	7	EO																				
10	Monographic Lecture	30	4	E																				
1	Operations Research	45	6	EO											15	30								
2	Econometrics	90	8	OOO											30	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							

	Hours per semester	ECTS	Form of assignment	Sem 1	Sem 2	Sem 3	Sem 4
Compulsory subjects module	600	66	7 E	270	4 E 30	120	2 E 11
Specialty - Mathematical Computer Science	420	43	4 E	0	0 E 0	195	1 E 19
Specialty - Mathematics and Computer Science in Economics	420	43	4 E	0	0 E 0	180	2 E 19
Specialty - Mathematics and Computer Science in Finance and Insurance	420	43	4 E	0	0 E 0	150	2 E 16
Specialty - Mathematical Modelling	420	43	4 E	0	0 E 0	150	2 E 16
Total (specialty - Mathematical Computer Science)	1020	109	11 E	270	4 E 30	315	3 E 30
Total (specialty - Mathematics and Computer Science in Economics)	1020	109	11 E	270	4 E 30	300	4 E 30
Total (specialty - Mathematics and Computer Science in Finance and Insurance)	1020	109	11 E	270	4 E 30	270	4 E 27
Total (specialty - Mathematical Modelling)	1020	109	11 E	270	4 E 30	270	4 E 27

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 classes					Form of classes					Form of classes				
		L	C	Lab	P	S	L	C	Lab	P	S	L	C	Lab	P	S	L	C	Lab	P	S
1	Combinatorial Analysis						30	30									30	30			
2	Web Applications						30	30									30	30			
3	Operations Research											15	30								
4	Econometrics											30	30	30							
5	Mathematical Economics 2						30	30									30	30			
6	History of Mathematics																30	15			
7	Data Warehouse						15	30									15	30			
8	Financial Engineering											30	15	15							
9	Qualitative Theory of Differential Equations											30	15	15							
10	Computer Image Processing											15	30								
11	Specialist Laboratory Class																				
12	LaTeX																				
13	Actuarial Methods						30	30									30	30			
14	Algorithmical Methods											15	30								
15	Numerical Methods 2											30	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						30	30									30	30			
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	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	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	30							
33	Topics in Discrete Mathematics 1						30	30									30	30			
34	Topics in Discrete Mathematics 2											30	30								
35	Monographic Lecture																30				
1	English for Specific Purposes																30				
2	Practical Stylistics						30										30				
1	Pedagogy 2						30										30				
2	Psychology 2																				