

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																				
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																				
2	Data Warehouse	45	5	OO																				
3	Specialist Laboratory Class	30	3	O																				
4	Algorithmical Methods	45	6	EO																				
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																				
2	Econometrics	90	8	OOO																				
3	Mathematical Economics 2	60	7	EO																				
4	Mathematical Programming	90	10	EOO																				
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																				
1	Financial Engineering	60	8	EOO																				
2	Actuarial Methods	60	7	EO																				
3	Stochastic Processes 1	60	7	EO																				
4	Stochastic Processes 2	60	7	EO																				
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																				
1	Qualitative Theory of Differential Equations	60	8	EOO																				
2	Stochastic Processes 1	60	7	EO																				
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																				
7	Control Theory 2	60	7	EO																				
8	Selected Problems of Mathematical Modelling	90	8	OOO																				

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
<b>Total (specialty - Mathematical Computer Science)</b>	<b>1020</b>	<b>109</b>	<b>11 E</b>	<b>270</b>	<b>4 E</b>	<b>30</b>	<b>315</b>	<b>3 E</b>	<b>30</b>	<b>225</b>	<b>3 E</b>	<b>26</b>	<b>210</b>	<b>1 E</b>	<b>24</b>
<b>Total (specialty - Mathematics and Computer Science in Economics)</b>	<b>1020</b>	<b>109</b>	<b>11 E</b>	<b>270</b>	<b>4 E</b>	<b>30</b>	<b>300</b>	<b>4 E</b>	<b>30</b>	<b>270</b>	<b>2 E</b>	<b>28</b>	<b>180</b>	<b>1 E</b>	<b>21</b>
<b>Total (specialty - Mathematics and Computer Science in Finance and Insurance)</b>	<b>1020</b>	<b>109</b>	<b>11 E</b>	<b>270</b>	<b>4 E</b>	<b>30</b>	<b>270</b>	<b>4 E</b>	<b>27</b>	<b>210</b>	<b>2 E</b>	<b>23</b>	<b>270</b>	<b>1 E</b>	<b>29</b>
<b>Total (specialty - Mathematical Modelling)</b>	<b>1020</b>	<b>109</b>	<b>11 E</b>	<b>270</b>	<b>4 E</b>	<b>30</b>	<b>270</b>	<b>4 E</b>	<b>27</b>	<b>300</b>	<b>2 E</b>	<b>31</b>	<b>180</b>	<b>1 E</b>	<b>21</b>

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																				
2	Web Applications and PHP Applications																				
3	Operations Research																				
4	Econometrics																				
5	Mathematical Economics 2																				
6	History of Mathematics																				
7	Data Warehouse																				
8	Financial Engineering																				
9	Qualitative Theory of Differential Equations																				
10	Computer Image Processing																				
11	Specialist Laboratory Class																				
12	LaTeX																				
13	Actuarial Methods																				
14	Algorithmical Methods																				
15	Numerical Methods 2																				
16	Mathematical Modelling 1																				
17	Mathematical Modelling 2																				
18	Modelling in Finance 2																				
19	Mathematical Workshop 2																				
20	Stochastic Processes 1																				
21	Stochastic Processes 2																				
22	Quantum Computing																				
23	Mathematical Programming																				
24	Specialist Seminar 1																				
25	Specialist Seminar 2																				
26	Specialist Seminar 3																				
27	Computer Networks																				
28	Time Series																				
29	Game Theory in Economics																				
30	Control Theory 1																				
31	Control Theory 2																				
32	Selected Problems of Mathematical Modelling																				
33	Topics in Discrete Mathematics 1																				
34	Topics in Discrete Mathematics 2																				
35	Monographic Lecture																				
1	English for Specific Purposes																				
2	Practical Stylistics																				