

No.	COURSE NAME	Hours per semester	ECTS	Form of assignment	SEMESTER 1					SEMESTER 2					SEMESTER 3					SEMESTER 4					SEMESTER 5					SEMESTER 6									
					Form of classes					Form of classes					Form of classes					Form of classes					Form of classes					Form of classes									
					L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S
1	English 1	30	2	O																																			
2	English 2	30	2	O																																			
3	English 3	30	2	O																																			
4	English 4	30	2	E																																			
5	Information Technology	30	2	O																																			
6	Physical Education 1	30	0	Z																																			
7	Physical Education 2	30	0	Z																																			
8	Linear Algebra 1	90	6	EO	45	45																																	
9	Linear Algebra 2	60	6	EO																																			
10	General Algebra	60	4	EO																																			
11	Mathematical Analysis 1	120	10	EO	60	60																																	
12	Mathematical Analysis 2	120	10	EO																																			
13	Mathematical Analysis 3	90	6	EO																																			
14	Mathematical Analysis 4	60	4	EO																																			
15	Geometry	60	4	EO																																			
16	Logic and Set Theory	60	6	EO																																			
17	Computer Programming 1	60	6	EO																																			
18	Computer Programming 2	60	6	EO																																			
19	Probability Theory	60	5	EO																																			
20	Mathematical Statistics	75	6	EOO																																			
21	Topology	60	6	EO																																			
22	Discrete Mathematics 1	60	6	EO																																			
23	Mathematical Software	30	2	O																																			
24	Differential Equations	60	5	EO																																			
25	Diploma Seminar 1	30	3	O																																			
26	Diploma Seminar 2	60	7	Z																																			

	Compulsory subjects module	1485	118	16 E	390	4 E	30	360	4 E	30	300	4 E	21	225	2 E	17	60	1 E	5	150	1 E	15
	Specialty - IT Mathematics	525	43	5 E	0	0 E	0	0	0 E	0	60	0 E	6	135	2 E	10	300	3 E	23	30	0 E	4
	Specialty – Mathematics with IT in Economics	525	43	5 E	0	0 E	0	0	0 E	0	60	0 E	6	180	2 E	13	195	2 E	16	90	1 E	8
	Specialty – Mathematics with IT in Finance and Insurance	525	43	5 E	0	0 E	0	0	0 E	0	60	0 E	6	120	1 E	8	270	3 E	22	75	1 E	7
	Specialty - Mathematical Modeling	525	43	5 E	0	0 E	0	0	0 E	0	60	0 E	6	120	2 E	9	195	2 E	16	150	1 E	12
	Practices	75	3																			
	<b>Total (specialty - IT Mathematics)</b>	<b>2010</b>	<b>161</b>	<b>21 E</b>	<b>390</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>27</b>	<b>360</b>	<b>4 E</b>	<b>27</b>	<b>360</b>	<b>4 E</b>	<b>28</b>	<b>180</b>	<b>1 E</b>	<b>19</b>
	<b>Total (specialty – Mathematics with IT in Economics)</b>	<b>2010</b>	<b>161</b>	<b>21 E</b>	<b>390</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>27</b>	<b>405</b>	<b>4 E</b>	<b>30</b>	<b>255</b>	<b>3 E</b>	<b>21</b>	<b>240</b>	<b>2 E</b>	<b>23</b>
	<b>Total (specialty – Mathematics with IT in Finance and Insurance)</b>	<b>2010</b>	<b>161</b>	<b>21 E</b>	<b>390</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>27</b>	<b>345</b>	<b>3 E</b>	<b>25</b>	<b>330</b>	<b>4 E</b>	<b>27</b>	<b>225</b>	<b>2 E</b>	<b>22</b>
	<b>Total (specialty - Mathematical Modeling)</b>	<b>2010</b>	<b>161</b>	<b>21 E</b>	<b>390</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>30</b>	<b>360</b>	<b>4 E</b>	<b>27</b>	<b>345</b>	<b>4 E</b>	<b>26</b>	<b>255</b>	<b>3 E</b>	<b>21</b>	<b>300</b>	<b>2 E</b>	<b>27</b>

**Total without practices 1935 158**

Additional subjects offered for degree course: MATHEMATICS

No.	COURSE NAME	Hours per semester	ECTS	Form of assignment	SEMESTER 1					SEMESTER 2					SEMESTER 3					SEMESTER 4					SEMESTER 5					SEMESTER 6							
					Form of classes					Form of classes					Form of classes					Form of classes					Form of classes					Form of classes							
					L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab	P	S	Pra	L	C	Lab
18	Algorithms and Data Structures	60	5	EO																						30	30										
19	Combinatorial Analysis of Discrete Structures	60	5	EO																												30	30				
20	Web Applications and PHP Applications	60	6	OO																												30	30				
21	Operations Research 1	60	3	OO																												30	30				
22	Operations Research 2	60	3	OO																						30	30										
23	Econometrics	90	8	EOO																						30	30	30									
24	Mathematical Economics	60	5	OO																						30	30										
25	Elements of Modern Geometry	60	6	EO																												30	30				
26	Elements of the History and Philosophy of Mathematics	60	6	EO																												30	30				
27	Elementary Geometry	60	6	EO																												30	30				
28	LaTeX	30	2	O																												30	30				
29	Macroeconomics	60	6	EO																						30	30										
30	Discrete Mathematics 2	60	6	EO																						30	30										
31	Actuarial Methods	60	6	EO																						30	30										
32	Boolean Methods in Computer Science	60	6	EO																												30	30				
33	Microeconomics	60	6	EO																						30	30										
34	Time Series Modeling	60	6	EO																						30	30										
35	Modeling in Finance	60	6	EO																						30	30										
36	Introduction to Financial Engineering	60	6	EO																						30	30										
	Introduction to Mathematical Modelling	60	6	EO																						30	30				</						