1. PROFESSIONAL ACADEMIC TITLE AND DEGREE OBTAINED BY COMPLETING THE STUDY

Upon completion of the four-year studies of the first cycle of study (240 ECTS) in the study program: Professor of Mathematics and Informatics, the academic title of **Professor of Mathematics and Informatics or Graduated Professor of Mathematics and Informatics** is obtained the degree of professional education: **VII/1**.

Upon completion of the second cycle of studies (60 ECTS) lasting one year, the academic title of **Master of Mathematics** and the degree of professional qualification are obtained: **VII/2**.

Upon completion of the third cycle of study (180 ECTS) lasting three years on the study program: Professor of Mathematics and Informatics, the academic title of **Doctor of Mathematical Sciences** and the degree of professional qualification: **VIII**.

2. CONDITIONS FOR ENROLLMENT IN THE STUDY PROGRAM

The first study cycle:

Completed four-year high school (IV degree) and passed the entrance exam for the first cycle of studies.

The second study cycle:

The first cycle of studies and the average of grades over 8.00 have been completed. In case the student has a lower average, he works on Habilitation work in the field determined by the dean of the faculty.

The third study cycle:

Students who have: can enroll in the first year of the third cycle of study

a) *completed first and second cycle studies or integrated studies, determined by the study program of the third cycle of studies or*

a) *academic degree of master/master of sciences determined by the study program of the third cycle of studies*

In the second year of the third cycle of study, students who have completed their first year or are missing 7 ECTS points and gained 360 ECTS points on the first and second cycles of studies can be enrolled. If the first-year curriculum is not fully agreed upon, the student must pass differential exams before the start of the academic year. The Doctoral Studies Commission is worth study plans and programs and determines the number of differential exams

3. LIST OF MANDATORY AND ELECTION CASES AND NUMBER OF HOURS REQUIRED FOR THEIR REALIZATION

Look at Table 1, 2 and 3.

4. THE POINT VALUE OF EACH SUBJECT AND THE FINAL WORK EXPRESSED IN EFFECTS POINTS

Look at Tables 1, 2 and 3.

Table 1. First cycle of studies - Study program: Professor of Mathematics and Informatics

Num.	Code	Subject name	Sem.	Type	Status	Active classes			Other classes:	ESPB
						P	V	KV		
FIRST YEAR										
1.	MI11010	Informatics	1		O	2	2	5		6
2.	MI11020	Fundamentals of mathematics	1		O	2	2	5		6
3.	MI11030	Mathematical logic and programming principles	1		O	2	2	5		6
4.	MI11040	English 1	1		O	2	2	5		6
5.		*Election subject 1*	1		IB	2	2	5		6
	MI1105AI	*Sociology*								
	MI1105BI	*Management in education*								
6.	MI11060	Psychology	2		O	2	2	5		6
7.	MI11070	The basis of geometry	2		O	2	2	5		6
8.	MI11080	Algebra 1	2		O	2	2	5		6
9.	MI11090	English 2	2		O	2	2	5		6
10.		*Election subject 2*	2		IB	2	2	5		6
	MI1110AI	*Modern teaching aids*								
	MI1110BI	*Fundamentals of philosophy*								
Total classes						300	300			60
SECOND YEAR										
1.	MI12010	Analysis 1	3		O	2	2	5		6
2.	MI12020	Programming	3		O	2	2	5		6
3.	MI12030	Pedagogy	3		O	2	2	5		6
4.	MI12040	English 3	3		O	2	2	5		6
5.		*Election subject 3*	3		IB	2	2	5		6
	MI1205AI	*Operating systems*								
	MI1205BI	*Computer hardware*								
6.	MI12060	Program languages	4		O	2	2	5		6
7.	MI12070	Database information systems	4		O	2	2	5		6
8.	MI12080	Linear algebra	4		O	2	2	5		6
9.	MI12090	Business English 4	4		O	2	2	5		6
10.		*Election subject 4*	4		IB	2	2	5		6
	MI1210AI	*WEB design*								
	MI1210BI	*Software engineering*								
Total classes						300	300			60
THIRD YEAR										
1.	MI13010	Number theory	5		O	2	2	5		6
2.	MI13020	Analysis 2	5		O	2	2	5		6
3.	MI13030	Algebra 2	5		O	2	2	5		6
4.	MI13040	English 5	5		O	2	2	5		6
5.		*Election subject 5*	5		IB	2	2	5		6
	MI1305AI	*Electronic business*								
	MI1305BI	*Intelligent agents in education*								
6.	MI13060	Differential equations	6		O	2	2	5		6
7.	MI13070	Numerical analysis	6		O	2	2	5		6
8.	MI13080	Complex analysis	6		O	2	2	5		6
9.	MI13090	English 6	6		O	2	2	5		6
10.		*Election subject 6*	6		IB	2	2	5		6
	MI1310AI	*Object programming*								
	MI1310BI	*Higher programming languages*								
Total classes						300	300			60

Num.	Code	Subject name	Sem.	Type	Status	Active classes			Other classes:	ESPB
						P	V	KV		
THURSDAY YEAR										
1.	MI14010	Discreet mathematics	7		O	2	2	5		6
2.	MI14020	Analytical geometry	7		O	2	2	5		6
3.	MI14030	Software tools in math teaching	7		O	2	2	5		6
4.	MI14040	Probability and statistics	7		O	2	2	5		6
5.		*Election subject 7*	7		IB	2	2	5		6
	MI1405AI	*Multimedia in education*								
	MI1405BI	*History of mathematics*								
6.	MI14060	Computer networks	8		O	2	2	5		6
7.	MI14070	Methodology of the nagging of mathematics	8		O	2	2	5		6
8.	MI14080	Methodology of computer science	8		O	2	2	5		6
9.		*Election subject 8*			IB	2	2	5		6
	MI1409AI	*Pedagogical psychology*	8							
	MI1409BI	*History of mathematics and computer science teaching*	8							
10.	MI14110	Professional practice	8		O				60	
11.		Graduate paper	8		O					6
Total classes						300	300			60

Table 2. Second cycle of studies

Num.	Code	Subject name	Sem.	Type	Status	Active classes			Other classes:	ESPB
						P	V	KV		
1.	MI21010	Research methods and techniques	1		O	3	3	5		8
2.	MI21020	Differential geometry	1		O	2	2	5		4
3.	MI21030	Project management	1		O	3	3	5		8
4.	MI21040	Algebra and logic	1		O	3	3	5		8
5.		*Election subject 1*	2		IB	3	3	5		7
	MI2105AI	*Numerical analysis*								
	MI2105BI	*Elementary mathematics*								
6.		*Election subject 2*	2		IB	3	3	5		7
	MI2106AI	*Complex analysis*								
	MI2106BI	*Partial and integral equations*								
7.		*Election subject 3*	2		IB	3	3	5		7
	MI2107AI	*Operational research*								
	MI2107BI	*Non-Euclidean geometries*								
8.	MI21080	Professional practice	2		O				60	
9.		Master's paper	2		O					11
Total classes						300	300			60

Table 3. The third cycle of studies

Ordinal number	Code	Subject name	Sem.	Status	P	PRW	ESPB
FIRST YEAR							
1.	MI31010	Methodology of scientific research work	1	O	4	2	8
2.	MI31020	Knowledge management	1	O	4	2	8
3.		*Subject of the electoral block 1*	1	IB	3	1	7
	MI3103AI	*Selected chapters of discrete mathematics*					
	MI3103BI	*Classical differential geometry*					
4.	MI31040	Research paper for the selection of the topic and the progression of the literature for doctoral dissertation	1	O	0	4	8
5.		*Subject of the electoral block 2*	2	IB	3	1	7
	MI3105AI	*Model theory*					
	MI3105BI	*Recursion theory*					
6.		*Subject of the electoral block 3*	2	IB	3	1	7
	MI3106AI	*Approximation theory 1*					
	MI3106BI	*Game theory 1*					
7.	MI31070	Making and publishing the first scientific paper	2	O	0	6	7
8.	MI31080	Doctoral dissertation - topic research 1	2	O	0	6	8
Total classes					255	345	60
SECOND YEAR							
1.	MI32010	Change management	3	O	4	2	8
2.		*Subject of the electoral block 4*	3	IB	3	1	7
	MI3202AI	*Approximation theory 2*					
	MI3202BI	*Game theory 2*					
3.		*Subject of the electoral block 5*	3	IB	3	1	7
	MI3203AI	*Programming in discrete mathematics*					
	MI3203BI	*Numerical analysis software*					
4.	MI32040	Doctoral dissertation - topic research 2	3	O	0	6	9
5.		*Subject of the electoral block 6*	4	IB	3	1	7
	MI3205AI	*Non-standard analysis*					
	MI3205BI	*Symmetries*					
6.	MI32060	Making and publishing other scientific work	4	O	0	6	8
7.	MI32070	Doctoral dissertation - topic research 3	4	O	0	10	14
Total classes					195	405	60
THIRD YEAR							
1.	MI330110	Doctoral dissertation - topic research 4	5	O	0	10	14
2.	MI330120	Writing a doctoral dissertation (processing of doctoral dissertation data)	5	O	0	10	14
3.	MI330130	Development and publication of the third scientific paper	6	O	0	6	9
4.	MI330140	Doctoral dissertation - topic research 5	6	O	0	6	12
5.		Doctoral Dissertation Defense	6	O	0	8	11
Total classes					0	600	60
Total ESPB							**180**

5. CONDITIONS FOR TRANSITION FROM OTHER STUDY PROGRAMS WITHIN THE SAME OR RELATED STUDIES

Students who move from another study program will be recognized for the number of certified semesters, at most six, and the passed exams will be invoked from those teaching subjects that, according to their curriculum, overlap at least 50% with the curriculum of the relevant subject being studied at the University.

6. THE WAY OF SELECTING SUBJECTS FROM OTHER STUDY PROGRAMS

Based on a written request, students can choose other subjects outside of their study programs, with the total burden on the student not exceeding 30 hours per week. The choice can only be made by those subjects studied at the University.

7. ENROLLMENT CONDITIONS IN THE NEXT SEMESTER, IE THE NEXT YEAR OF STUDY AND THE WAY OF COMPLETING THE STUDIES

Students enroll the next semester of the same year provided that they lay more than half of the subjects of the previous semester, and if during the last semester, there are subjects covering one part of the material and in the second semester the other part of the material is then obliged to take issues from the second semester.

Students enroll next year if they pass all the previous year's exams or have one subject left or 6 ECTS points.

Students complete the first cycle of study by defending **the final work**.

Students complete the second cycle of studies by taking exams provided for in the curriculum and program and defending the **master's thesis**.

Students complete the third cycle of studies by taking exams provided for in the curriculum and program and defending their **doctoral dissertation.**

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8. THE WAY THE STUDIES ARE CONDUCTED AND THE WAY THE KNOWLEDGE IS CHECKED FOR EACH SUBJECT

The method of conducting studies in all cycles (I, II, and III) is carried out by semesters where students attend and actively participate in lectures and exercises, and the active fund of lessons and activities is shown in Tables 1, 2, and 3**.**

The way knowledge is checked for each subject is continuously monitored during the teaching and processing of these teaching subjects. When determining the final assessment for teaching subjects or the activity of students to be evaluated, the evaluator is obliged to assess the results of the actual work of the student during the processing of teaching subjects, i.e., not only the knowledge and skills that students have acquired and learned during the processing of teaching subjects but also the results of students achieved in all forms of educational and pedagogical work, which are planned and performed for teaching subjects including the assessment of students' activities and interactions in lectures, exercises, colloquiums, seminars, workshops round tables and other forms of teaching and pedagogical work.

The amount of the grade depends on the accumulated points, which are collected during the entire duration of lectures and exercises, as follows:

1. TEST 1 - first colloquium (first 50% of the material):	20 points
2. TEST 2 - second colloquium (other 50% of the material):	20 points
3. TEST 3 - final exam (total material):	20 points
4. LECTURE - attendance:	5 points
5. LECTURE - active participation:	5 points
6. EXERCISES - attendance:	5 points
7. EXERCISES - seminar paper:	10 points
8. EXERCISES - oral presentation of the second topic:	5 points
9. EXERCISES - essay or subject study:	10 points
TOTAL:	**100 points**

Grading of students is done by the number of points collected, as follows:

EVALUATIONS	EVALUATION	NUMBER OF POINTS	DESCRIPTIONAL EVALUATION
F	5	**0-54**	**Not enough**
E	6	**55-64**	**Enough**
D	7	**65-75**	**Good**
C	8	**75-84**	**Very good**
B	9	**85-94**	**Excellent**
A	10	**95-100**	**Exceptional-great**

Exams are taken successfully, in writing or orally and in writing, i.e., practically.

If provided for in the Curriculum, due to the specificity of the subject, knowledge verification is organized in several partial tests during the processing of the teaching subject. In this case, the final assessment of the student is formed based on the results of all partial tests and other knowledge checks or points collected.

9. OTHER ISSUES RELEVANT TO THE PERFORMANCE OF THE STUDY PROGRAM

The category of exercises (KV) is also determined in the curriculum. Exercise categories will be numbered 1-5 as follows:

Num.	Type - exercise structure	Number of students
1.	For art academies on teaching arts.	3
2.	For clinical subjects at faculties / colleges of medical sciences, certain teaching subjects at faculties of technical sciences, professional subjects at art academies and teaching subjects of teaching methods at faculties / colleges of humanities and social sciences.	5
3.	For preclinical teaching subjects of medical sciences (section-reaction exercises; anatomy, pathology, forensic medicine): teaching subjects with field exercises that require supervision of a student and instructions from a professional associate.	10
4.	For teaching subjects with laboratory and experimental exercises.	15
5.	For teaching subjects with auditorium and field exercises.	25