CONTENT

1. Algebra I	2
2. Algebra I	3
3. Algebra II	4
4. Algebra III	5
5. Application of ICT into mathematics teaching	6
6. Didactics of mathematics I	7
7. Didactics of mathematics II	8
8. Discrete mathematics	9
9. Geometry I	10
10. Geometry II	11
11. Geometry III	12
12. Logic and set theory	13
13. Mathematical analysis I	14
14. Mathematical analysis I	15
15. Mathematical analysis II	16
16. Mathematical analysis III.	
17. Mathematical problem solving strategies I	
18. Mathematical problem solving strategies I	19
19. Mathematical problem solving strategies II	20
20. Mathematical problem solving strategies III	21
21. Mathematics and didactics of mathematics	22
22. Probability and statistics	
23. Teaching practice	24
24. Thesis defence	25
25. Thesis project	26

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Algebra I oALGa/24 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present **Number of ECTS credits: 10 Recommended semester/trimester of the course:** 2. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 0 C Α В D Е FX 0.0 0.0 0.0 0.0 0.0 0.0 Provides: RNDr. Lucia Kőszegyová, PhD. Date of last modification: 06.02.2025 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Algebra I rALGa/22 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present **Number of ECTS credits: 10 Recommended semester/trimester of the course:** 1. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 33 C Α В D Е FX 42.42 3.03 6.06 9 09 15.15 24.24 Provides: RNDr. Lucia Kőszegyová, PhD. Date of last modification: 14.10.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Algebra II rALGb/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 2. Course level: N Prerequisities: ÚMV/rALGa/22 **Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 10 \mathbf{C} Ε Α В D FX 10.0 30.0 50.0 0.0 10.0 0.0 Provides: doc. RNDr. Miroslav Ploščica, CSc. Date of last modification: 24.03.2023 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Algebra III rALGc/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 3. Course level: N Prerequisities: ÚMV/rALGb/22 **Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 4 \mathbf{C} Α В D Е FX 25.0 25.0 50.0 0.0 0.0 0.0 Provides: doc. RNDr. Miroslav Ploščica, CSc., RNDr. Lucia Kőszegyová, PhD. Date of last modification: 16.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Application of ICT into mathematics teaching rAIM/22 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 1 Per study period: 14 Course method: present **Number of ECTS credits: 4 Recommended semester/trimester of the course:** 5. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 39 C Α В D Е FX 33.33 33.33 23.08 7.69 2.56 0.0 Provides: doc. RNDr. Stanislav Lukáč, PhD. Date of last modification: 20.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Didactics of mathematics I rDDMa/22 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present **Number of ECTS credits: 10** Recommended semester/trimester of the course: 4. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 41 C Ε Α В D FX 19.51 26.83 31.71 19.51 2 44 0.0 Provides: doc. RNDr. Ingrid Semanišinová, PhD., RNDr. Veronika Hubeňáková, PhD. Date of last modification: 25.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Didactics of mathematics II rDDMb/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 5. Course level: N Prerequisities: ÚMV/rDDMa/22 **Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 39 C Ε Α В D FX 10.26 28.21 28.21 20.51 12.82 0.0 Provides: doc. RNDr. Ingrid Semanišinová, PhD., RNDr. Veronika Hubeňáková, PhD. Date of last modification: 20.09.2022

Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ **Course name:** Discrete mathematics rDSM/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 3. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 62 C Α В D Е FX 4.84 1.61 11.29 20.97 38.71 22.58 Provides: RNDr. Igor Fabrici, Dr. rer. nat. Date of last modification: 16.11.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Geometry I rGEOa/22 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present **Number of ECTS credits: 10 Recommended semester/trimester of the course:** 2. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 9 В \mathbf{C} Α D Е FX 0.0 11.11 11.11 22.22 55.56 0.0 Provides: doc. RNDr. Stanislav Lukáč, PhD. Date of last modification: 20.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Geometry II rGEOb/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7** Recommended semester/trimester of the course: 3. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 45 В \mathbf{C} Α D Е FX 4 44 11.11 26.67 22.22 33.33 2.22 Provides: RNDr. Veronika Hubeňáková, PhD. Date of last modification: 25.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Geometry III rGEOc/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7** Recommended semester/trimester of the course: 4. Course level: N Prerequisities: ÚMV/rGEOb/22 **Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 44 C Α В D Е FX 9.09 9.09 13.64 22.73 36.36 9.09 Provides: RNDr. Igor Fabrici, Dr. rer. nat. Date of last modification: 16.11.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Logic and set theory rLTM/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 5. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 42 В C Α D Е FX 4.76 14.29 21.43 23.81 35.71 0.0 Provides: RNDr. Jaroslav Šupina, PhD. Date of last modification: 26.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical analysis I oMANa/24 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present **Number of ECTS credits: 13 Recommended semester/trimester of the course:** 2. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 0 \mathbf{C} Α В D Е FX 0.0 0.0 0.0 0.0 0.0 0.0 Provides: RNDr. Jaroslav Šupina, PhD., RNDr. Barbora Hennelová Date of last modification: 06.02.2025 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical analysis I rMANa/22 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 2 Per study period: 28 / 28 Course method: present **Number of ECTS credits: 13 Recommended semester/trimester of the course:** 1. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 26 C Α В D Е FX 3.85 23.08 26.92 23.08 3.85 19.23 Provides: RNDr. Jaroslav Šupina, PhD., RNDr. Barbora Hennelová Date of last modification: 21.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical analysis II rMANb/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 2. Course level: N Prerequisities: ÚMV/rMANa/22 **Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 5 C Α В D Е FX 0.0 20.0 0.0 40.0 20.0 20.0 Provides: prof. RNDr. Jozef Doboš, CSc. Date of last modification: 20.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical analysis III rMANc/22 Course type, scope and the method: Course type: Lecture Recommended course-load (hours): Per week: 2 Per study period: 28 Course method: present **Number of ECTS credits: 7 Recommended semester/trimester of the course:** 3. Course level: N Prerequisities: ÚMV/rMANb/22 **Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 4 C Α В D Е FX 0.0 0.0 25.0 50.0 25.0 0.0 Provides: prof. RNDr. Jozef Doboš, CSc. Date of last modification: 20.09.2022 Approved:

Page: 17

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical problem solving strategies I oMRUa/24 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 1 Per study period: 14 Course method: present **Number of ECTS credits: 4 Recommended semester/trimester of the course:** 2. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 0 C Α В D Е FX 0.0 0.0 0.0 0.0 0.0 0.0 Provides: prof. RNDr. Jozef Doboš, CSc. Date of last modification: 06.02.2025 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical problem solving strategies I rMRUa/22 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 1 Per study period: 14 Course method: present **Number of ECTS credits: 4 Recommended semester/trimester of the course:** 1. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 25 C Α В D Ε FX 0.0 0.0 20.0 28.0 16.0 36.0 Provides: prof. RNDr. Jozef Doboš, CSc. Date of last modification: 20.09.2022 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical problem solving strategies II rMRUb/22 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 1 Per study period: 14 Course method: present **Number of ECTS credits: 4 Recommended semester/trimester of the course:** 2. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 11 C Ε Α В D FX 27.27 27.27 27.27 0.0 18.18 0.0 Provides: doc. RNDr. Ingrid Semanišinová, PhD. Date of last modification: 17.09.2023 Approved:

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Mathematical problem solving strategies III rMRUc/22 Course type, scope and the method: Course type: Practice Recommended course-load (hours): Per week: 1 Per study period: 14 Course method: present **Number of ECTS credits: 4 Recommended semester/trimester of the course:** 5. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 4 \mathbf{C} Α В D Ε FX 50.0 0.0 50.0 0.0 0.0 0.0 Provides: doc. RNDr. Stanislav Lukáč, PhD. Date of last modification: 20.09.2022 Approved:

University: P. J.	Šafárik Univers	ity in Košice			
Faculty: Faculty	of Science			_	
Course ID: ÚM rMDM/22	V/ Course na	Course name: Mathematics and didactics of mathematics			
Per week: Per Course method	l course-load (h · study period: d: present				
Number of ECT					
	semester/trimes	ster of the cours	e:		
Course level: N					
Prerequisities:					
Conditions for (course completi	on:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:			_	
Course languag	ge:				
Notes:				_	
Course assessm Total number of	ent assessed studen	ts: 4			
A	В	С	D	Е	FX
25.0	25.0	50.0	0.0	0.0	0.0
Provides:					
Date of last modification:					
Approved:				-	

University: P. J. Šafárik University in Košice Faculty: Faculty of Science Course ID: ÚMV/ Course name: Probability and statistics rPST/22 Course type, scope and the method: Course type: Lecture / Practice Recommended course-load (hours): Per week: 2 / 1 Per study period: 28 / 14 Course method: present **Number of ECTS credits: 10** Recommended semester/trimester of the course: 4. Course level: N **Prerequisities: Conditions for course completion: Learning outcomes: Brief outline of the course: Recommended literature:** Course language: **Notes:** Course assessment Total number of assessed students: 39 C Α В D Ε FX 10.26 15.38 35.9 15.38 23.08 0.0 Provides: doc. RNDr. Daniel Klein, PhD. Date of last modification: 26.09.2022 Approved:

University: P. J. Šafá	rik University in Košice			
Faculty: Faculty of S	cience			
Course ID: ÚMV/ rPDP/22	Course name: Teaching practice			
Course type, scope a Course type: Practi Recommended cou Per week: Per stud Course method: pro	ce rse-load (hours): ly period: 20s esent			
Number of ECTS cr				
Recommended semester/trimester of the course: 5.				
Course level: N				
Prerequisities:				
Conditions for course completion:				
Learning outcomes:				
Brief outline of the course:				
Recommended literature:				
Course language:				
Notes:				
Course assessment Total number of asse	ssed students: 4			
	abs	n		
100.0 0.0				
Provides: doc. RND:	: Ingrid Semanišinová, PhD.	, RNDr. Veronika Hubeňáková, PhD.		
Date of last modifica	ntion:			
Approved:				

University: P. J.	Šafárik Universi	ty in Košice			
Faculty: Faculty	of Science				
Course ID: ÚM rZPO/22	V/ Course na	Course name: Thesis defence			
Course type:					
Number of ECT	ΓS credits: 4				
Recommended	semester/trimes	ter of the cours	e:		
Course level: N					
Prerequisities:					
Conditions for o	course completio	n:			
Learning outco	mes:				
Brief outline of	the course:				
Recommended	literature:				
Course languag	ge:				
Notes:					
Course assessm Total number of	ent assessed student	s: 4			
A	В	С	D	Е	FX
25.0	75.0	0.0	0.0	0.0	0.0
Provides:					
Date of last mod	dification:				
Approved:					

University: P. J. Šafárik University in Košice			
Faculty: Faculty of Science			
Course ID: ÚMV/ rZVP/22	Course name: Thesis proje	ect	
Course type, scope a Course type: Practic Recommended cour Per week: 1 Per stu Course method: pre	ce rse-load (hours): idy period: 14 esent		
Number of ECTS cr			
Recommended seme	ster/trimester of the course	e: 5.	
Course level: N			
Prerequisities:			
Conditions for cours	se completion:		
Learning outcomes:			
Brief outline of the course:			
Recommended literature:			
Course language:			
Notes:			
Course assessment Total number of assessed students: 4			
	abs	n	
100.0 0.0			
Provides:			
Date of last modification: 12.09.2023			
Approved:			