Course descriptionsTABLE OF CONTENTS

1. 1-UMA-124/15 Combinatorics	2
2. 2-pUMA-912/19 Didactics of Mathematics (state exam)	
3. 2-UMA-106/15 Didactics of Mathematics (2)	
4. 2-pUMA-901/19 Diploma Thesis Project	
5. 1-UMA-116/15 Elementary Theory of Numbers	
6. 1-UMA-107/15 Geometry (1)	
7. 1-UMA-220/15 Geometry (2)	
8. 1-UMA-301/15 Geometry (3)	
9. 2-UMA-104/15 Introduction to Didactics of Mathematics	
10. 2-UMA-114/15 New Pedagogical Approaches in Teaching Not Only Mathematics	12
11. 2-UMA-211/15 Seminar in History of Mathematics (1)	13
12. 2-UMA-212/15 Seminar in History of Mathematics (2)	14
13. 2-pUMAx-211/19 Teaching Practice	15
14. 2-pUMA-911/19 Thesis Defence (state exam).	16

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KAG/1-UMA-124/15 Combinatorics **Educational activities:** Type of activities: lecture / practicals **Number of hours:** per week: 2/2 per level/semester: 28/28 Form of the course: on-site learning Number of credits: 4 **Recommended semester: Educational level:** I., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 182 Α В \mathbf{C} D E FX 36,26 14,84 9,34 16,48 18,68 4,4 Lecturers: RNDr. Jana Tomanová, CSc. Last change: 02.06.2015

Approved by:

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava			
Faculty: Faculty of Mathematics, Physics and Informatics			
Course ID: FMFI.KDMFI/2- pUMA-912/19 Course title: Didactics of Mathematics			
Number of credits: 0			
Educational level: N			
State exam syllabus:			
Last change: 04.12.2019			
Approved by:			

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KAG+KDMFI/2-Didactics of Mathematics (2) UMA-106/15 **Educational activities:** Type of activities: seminar **Number of hours:** per week: 3 per level/semester: 42 Form of the course: on-site learning Number of credits: 2 **Recommended semester: 3. Educational level:** II., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 98 В \mathbf{C} D E Α FX 76,53 2,04 15,31 6,12 0,0 0,0 Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Michaela Vargová, PhD. Last change: 02.06.2015 Approved by:

University: Con	nenius Universi	ty in Bratislava			
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KMANM/ pUMA-901/19	/2-	Course title: Diploma Thesis Project			
Educational act Type of activit Number of hou per week: 2 Form of the co	ies: seminar urs: oer level/semes				
Number of cred	its: 0				
Recommended	semester: 4.				
Educational lev	el: N				
Prerequisites:	Prerequisites:				
Course require	nents:				
Learning outcome	mes:				
Class syllabus:					
Recommended	literature:			_	
Languages nece	ssary to comp	lete the course:			
Notes:					
Past grade distr Total number of		ents: 9			
A	В	С	D	Е	FX
88,89	11,11	0,0	0,0	0,0	0,0
Lecturers: doc.	RNDr. Zbyněk	Kubáček, CSc.			
Last change:					
Approved by:	,				

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KAG/1-UMA-116/15 Elementary Theory of Numbers **Educational activities:** Type of activities: lecture / practicals **Number of hours:** per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning Number of credits: 4 **Recommended semester: Educational level:** I., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 146 Α В \mathbf{C} D Е FX 45,21 27,4 20,55 1,37 1,37 4,11 Lecturers: RNDr. Jana Chalmovianská, PhD. **Last change:** 15.01.2018

Approved by:

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID:** Course title: FMFI.KAG/1-UMA-107/15 Geometry (1) **Educational activities:** Type of activities: lecture / practicals **Number of hours:** per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning Number of credits: 5 **Recommended semester:** Educational level: I., N **Prerequisites: Recommended prerequisites:** none **Course requirements:** Preliminary assessment: continuous evaluation, tests. Final assessment: Exam in written and oral form Final assessment examination 70% (A 90%; B 80%; C 70%; D 60%; E 50%) Scale of assessment (preliminary/final): Weight of the course work / exam: 30/70 **Learning outcomes:** The graduate gains the knowledge of analytic methods of study of properties of subspaces of ndimensional affine (resp. euclidean) space. Class syllabus: Afinne n-dimensional space A(n), linear varieties in A(n), affine coordinate system, parametric and general (implicit) equations of linear variety, the relative position of linear varieties. Euclidean space E(n) of dimesion n. Cartesian coordinate system in E(n). Orthogonality in E(n), distance of linear varieties, angles of linear varieties. Affine mappings. Isometries and similarities and their canonical expression in E(2) and E(3). **Recommended literature:** Linear Algebra and Geometry / A. I. Kostrikin, J. Manin, Taylor & Francis, 1989 Linear algebra (Undergraduate Texts in Mathematics) / Serge Lang. Springer; 3rd edition, 2004 Basic Algebra I, II / N. Jacobson. Dover Books on Mathematics, Dover Publications, 2009 Languages necessary to complete the course: english

Notes: none

Past grade distribution					
Total number o	f evaluated stude	nts: 147			
A	В	С	D	Е	FX
27,89	14,29	19,73	12,93	19,05	6,12
Lecturers: RNDr. Jana Chalmovianská, PhD.					
Last change: 26.04.2017					
Approved by:					

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KAG/1-UMA-220/15 Geometry (2) **Educational activities:** Type of activities: lecture / practicals **Number of hours:** per week: 2/2 per level/semester: 28/28 Form of the course: on-site learning **Number of credits: 5 Recommended semester: Educational level:** I., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 150 Α В \mathbf{C} D E FX 21,33 16,0 28,0 13,33 10,67 10,67 Lecturers: RNDr. Jana Chalmovianská, PhD. Last change: 02.06.2015

Approved by:

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KAG/1-UMA-301/15 Geometry (3) **Educational activities:** Type of activities: lecture / practicals **Number of hours:** per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning Number of credits: 4 **Recommended semester: Educational level:** I., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 140 Α В \mathbf{C} D E FX 30,71 22,14 17,86 14,29 7,86 7,14 Lecturers: RNDr. Jana Chalmovianská, PhD. **Last change:** 02.06.2015 Approved by:

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KAG+KDMFI/2-Introduction to Didactics of Mathematics UMA-104/15 **Educational activities:** Type of activities: seminar **Number of hours:** per week: 3 per level/semester: 42 Form of the course: on-site learning Number of credits: 3 **Recommended semester: 3. Educational level:** II., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 121 В \mathbf{C} D Α Е FX 90,91 5,79 0,83 0,83 0,0 1,65 Lecturers: prof. RNDr. Pavol Zlatoš, PhD., doc. PaedDr. Mária Slavíčková, PhD. Last change: 02.06.2015 Approved by:

University: Comenius University in Bratislava

Faculty: Faculty of Mathematics, Physics and Informatics

Course ID: Course title:

ENGLISTING AND A 114/15 N. D. 1

FMFI.KDMFI/2-UMA-114/15 | New Pedagogical Approaches in Teaching Not Only Mathematics

Educational activities: Type of activities: seminar

Number of hours:

per week: 3 per level/semester: 42 Form of the course: on-site learning

Number of credits: 2

Recommended semester: 3.

Educational level: II., N

Prerequisites:

Course requirements:

Learning outcomes:

Class syllabus:

Recommended literature:

Languages necessary to complete the course:

Notes:

Past grade distribution

Total number of evaluated students: 41

A	В	С	D	Е	FX
85,37	7,32	4,88	0,0	0,0	2,44

Lecturers: RNDr. Monika Dillingerová, PhD.

Last change: 22.05.2019

Approved by:

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KMANM/2-Seminar in History of Mathematics (1) UMA-211/15 **Educational activities:** Type of activities: seminar **Number of hours:** per week: 3 per level/semester: 42 Form of the course: on-site learning Number of credits: 2 **Recommended semester: 3. Educational level:** II., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 101 В \mathbf{C} D E Α FX 49,5 40,59 0,99 8,91 0,0 0,0 Lecturers: doc. RNDr. Zbyněk Kubáček, CSc. Last change: 02.06.2015 Approved by:

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KMANM/2-Seminar in History of Mathematics (2) UMA-212/15 **Educational activities:** Type of activities: seminar **Number of hours:** per week: 2 per level/semester: 28 Form of the course: on-site learning Number of credits: 2 Recommended semester: 4. **Educational level:** II., N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 101 В \mathbf{C} D E Α FX 89,11 9.9 0,99 0,0 0,0 0,0 Lecturers: doc. RNDr. Zbyněk Kubáček, CSc. Last change: 02.06.2015 Approved by:

University: Comenius University in Bratislava Faculty: Faculty of Mathematics, Physics and Informatics **Course ID: Course title:** FMFI.KDMFI/2-**Teaching Practice** pUMAx-211/19 **Educational activities:** Type of activities: practice **Number of hours:** per week: per level/semester: 20s Form of the course: on-site learning, combined Number of credits: 0 **Recommended semester: 3. Educational level:** N **Prerequisites: Course requirements: Learning outcomes:** Class syllabus: **Recommended literature:** Languages necessary to complete the course: **Notes:** Past grade distribution Total number of evaluated students: 20 В \mathbf{C} D E **NEABS** Α ABS FX 0,0 20,0 80,0 0.0 0,0 0,0 0,0 0,0 Lecturers: Mgr. Michaela Vargová, PhD. Last change: Approved by:

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava				
Faculty: Faculty of Mathematics, Physics and Informatics				
Course ID: FMFI.KDMFI/2- pUMA-911/19	Course title: Thesis Defence			
Number of credits: 0				
Educational level: N				
State exam syllabus:				
Last change:				
Approved by:				