

Course descriptions

TABLE OF CONTENTS

1. 1-UMA-124/15	Combinatorics.....	2
2. 2-pUMA-912/18	Didactics of Mathematics (state exam).....	3
3. 2-UMA-105/15	Didactics of Mathematics (1).....	4
4. 2-UMA-106/15	Didactics of Mathematics (2).....	5
5. 2-pUMA-901/18	Diploma Thesis Project.....	6
6. 1-UMA-116/15	Elementary Theory of Numbers.....	7
7. 2-pUXX-951/18	General Pedagogy (state exam).....	8
8. 1-UMA-107/15	Geometry (1).....	9
9. 1-UMA-220/15	Geometry (2).....	11
10. 1-UMA-301/15	Geometry (3).....	12
11. 2-UMA-104/15	Introduction to Didactics of Mathematics.....	13
12. 2-UXX-123/15	Pedagogic Research Methodology (1).....	14
13. 2-pUXX-952/18	Psychology (state exam).....	15
14. 1-UXX-141/15	Psychology for Teachers (1).....	16
15. 1-UXX-142/15	Psychology for Teachers (2).....	17
16. 1-UXX-331/18	School Management.....	18
17. 2-UMA-211/15	Seminar in History of Mathematics (1).....	19
18. 2-UMA-212/15	Seminar in History of Mathematics (2).....	20
19. 2-UXX-841/15	Teaching Practice in Mathematics (2).....	21
20. 2-UXX-842/15	Teaching Practice in Mathematics (3).....	22
21. 1-UXX-134/18	Theory of Teaching.....	23
22. 2-pUMA-911/18	Thesis Defence (state exam).....	24

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG/1-UMA-124/15		Course title: 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: 1.					
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: 121					
A	B	C	D	E	FX
25,62	19,01	7,44	18,18	23,14	6,61
Lecturers: RNDr. Jana Tomanová, CSc., RNDr. Martin Sleziak, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUMA-912/18	Course title: Didactics of Mathematics
Number of credits: 3	
Educational level: N	
State exam syllabus:	
Last change:	
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.	

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG+KDMFI/2- UMA-105/15		Course title: Didactics of Mathematics (1)			
Educational activities: Type of activities: course Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 2.					
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: 66					
A	B	C	D	E	FX
57,58	25,76	10,61	6,06	0,0	0,0
Lecturers: doc. RNDr. Štefan Solčan, CSc., Mgr. Michaela Vargová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG+KDMFI/2- UMA-106/15		Course title: Didactics of Mathematics (2)			
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: 57					
A	B	C	D	E	FX
66,67	24,56	5,26	3,51	0,0	0,0
Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Michaela Vargová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KMANM/2- pUMA-901/18		Course title: Diploma Thesis Project			
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: 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: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.					
Last change:					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG/1-UMA-116/15		Course title: 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: 2.					
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: 87					
A	B	C	D	E	FX
44,83	28,74	20,69	5,75	0,0	0,0
Lecturers: doc. RNDr. Juraj Činčura, CSc.					
Last change: 15.01.2018					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUXX-951/18	Course title: General Pedagogy
Number of credits: 3	
Educational level: N	
State exam syllabus:	
Last change:	
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.	

COURSE DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KAG/1-UMA-107/15	Course title: 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: 2.	
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 n-dimensional affine (resp. euclidean) space.	
Class syllabus: Affine 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 dimension 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 of evaluated students: 86					
A	B	C	D	E	FX
34,88	8,14	17,44	13,95	19,77	5,81
Lecturers: doc. RNDr. Valentín Zařko, CSc., RNDr. Marianna Polednová, CSc.					
Last change: 26.04.2017					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG/1-UMA-220/15		Course title: 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: 3.					
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: 94					
A	B	C	D	E	FX
21,28	18,09	26,6	12,77	13,83	7,45
Lecturers: RNDr. Marianna Polednová, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG/1-UMA-301/15		Course title: 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: 4.					
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: 78					
A	B	C	D	E	FX
30,77	15,38	19,23	17,95	8,97	7,69
Lecturers: RNDr. Soňa Kudličková, CSc., RNDr. Marianna Polednová, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KAG+KDMFI/2- UMA-104/15		Course title: Introduction to Didactics of 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: 3					
Recommended semester: 1.					
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: 80					
A	B	C	D	E	FX
91,25	6,25	1,25	1,25	0,0	0,0
Lecturers: prof. RNDr. Pavol Zlatoš, PhD., PaedDr. Mária Slavíčková, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/2-UXX-123/15		Course title: Pedagogic Research Methodology (1)			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 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: 71					
A	B	C	D	E	FX
57,75	25,35	9,86	1,41	2,82	2,82
Lecturers: PaedDr. Mária Slavíčková, PhD., Mgr. Karolína Mayerová, PhD.					
Last change: 08.06.2017					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUXX-952/18	Course title: Psychology
Number of credits: 3	
Educational level: N	
State exam syllabus:	
Last change:	
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.	

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI-PriF.KDPP/1- UXX-141/15		Course title: Psychology for Teachers (1)			
Educational activities: Type of activities: lecture / seminar 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: 1.					
Educational level: I., II., N					
Prerequisites:					
Antirequisites: FMFI-PriF.KDPP/1-UXX-131/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 400					
A	B	C	D	E	FX
15,25	11,0	25,5	22,75	20,5	5,0
Lecturers: Mgr. Diana Demkaninová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI-PriF.KDPP/1- UXX-142/15		Course title: Psychology for Teachers (2)			
Educational activities: Type of activities: lecture / seminar 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: 2.					
Educational level: I., II., N					
Prerequisites: FMFI-PriF.KDPP/1-UXX-141/15 - Psychology for Teachers (1)					
Antirequisites: FMFI-PriF.KDPP/1-UXX-135/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 413					
A	B	C	D	E	FX
19,37	16,46	18,64	25,67	15,25	4,6
Lecturers: Mgr. Diana Demkaninová, PhD.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/1-UXX-331/18		Course title: School Management			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 2 per level/semester: 14 / 28 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 4.					
Educational level: I., II., N					
Prerequisites:					
Antirequisites: FMFI-Prif.KDPP/1-UXX-331/15					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 28					
A	B	C	D	E	FX
64,29	14,29	17,86	3,57	0,0	0,0
Lecturers: Mgr. Karolína Mayerová, PhD., PaedDr. Michaela Veselovská, PhD.					
Last change:					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KMANM/2- UMA-211/15		Course title: Seminar in History of Mathematics (1)			
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: 57					
A	B	C	D	E	FX
47,37	40,35	10,53	1,75	0,0	0,0
Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KMANM/2- UMA-212/15		Course title: Seminar in History of Mathematics (2)			
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: 59					
A	B	C	D	E	FX
83,05	15,25	0,0	1,69	0,0	0,0
Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.					
Last change: 02.06.2015					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/2-UXX-841/15		Course title: Teaching Practice in Mathematics (2)			
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 60s Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
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: 68					
A	B	C	D	E	FX
97,06	1,47	1,47	0,0	0,0	0,0
Lecturers: Mgr. Michaela Vargová, PhD.					
Last change:					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/2-UXX-842/15		Course title: Teaching Practice in Mathematics (3)			
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 90s 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: 54					
A	B	C	D	E	FX
92,59	3,7	3,7	0,0	0,0	0,0
Lecturers: Mgr. Michaela Vargová, PhD.					
Last change:					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/1-UXX-134/18		Course title: Theory of Teaching			
Educational activities: Type of activities: lecture / seminar 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: 3.					
Educational level: I., II., N					
Prerequisites:					
Antirequisites: FMFI-Prif.KDPP/1-UXX-134/10					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 159					
A	B	C	D	E	FX
21,38	15,72	21,38	22,01	14,47	5,03
Lecturers: Mgr. Karolína Mayerová, PhD.					
Last change:					
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUMA-911/18	Course title: Thesis Defence
Number of credits: 14	
Educational level: N	
State exam syllabus:	
Last change:	
Approved by: doc. RNDr. Zbyněk Kubáček, CSc.	