

Course descriptions

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COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 182					
A	B	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: FMFL.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:	

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 103					
A	B	C	D	E	FX
68,93	17,48	8,74	3,88	0,0	0,97
Lecturers: doc. RNDr. Štefan Solčan, CSc., Mgr. Michaela Vargová, PhD.					
Last change: 02.06.2015					
Approved by:					

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: 98					
A	B	C	D	E	FX
76,53	15,31	6,12	2,04	0,0	0,0
Lecturers: prof. RNDr. Pavol Zlatoš, PhD., Mgr. Michaela Vargová, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KMANM/2- pUMA-901/19		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: 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: 5					
A	B	C	D	E	FX
80,0	20,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.					
Last change:					
Approved by:					

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: 140					
A	B	C	D	E	FX
46,43	27,86	20,0	4,29	1,43	0,0
Lecturers: doc. RNDr. Juraj Činčura, CSc.					
Last change: 15.01.2018					
Approved by:					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUXX-951/19	Course title: General Pedagogy
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 29.11.2019	
Approved by:	

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: 134					
A	B	C	D	E	FX
29,85	14,93	20,15	13,43	17,91	3,73
Lecturers: RNDr. Jana Chalmovianská, PhD., Mgr. Matej Uher, RNDr. Barbora Pokorná, PhD.					
Last change: 26.04.2017					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 150					
A	B	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:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 130					
A	B	C	D	E	FX
33,08	22,31	19,23	13,85	8,46	3,08
Lecturers: RNDr. Barbora Pokorná, PhD., Mgr. Alžbeta Mackovová					
Last change: 02.06.2015					
Approved by:					

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: 121					
A	B	C	D	E	FX
90,91	5,79	0,83	0,83	0,0	1,65
Lecturers: prof. RNDr. Pavol Zlatoš, PhD., PaedDr. Mária Slavíčková, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.KDMFI/2-UMA-114/15		Course title: 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	B	C	D	E	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:					

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: 124					
A	B	C	D	E	FX
66,13	20,97	6,45	1,61	2,42	2,42
Lecturers: PaedDr. Mária Slavíčková, PhD., Mgr. Karolína Miková, PhD.					
Last change: 08.06.2017					
Approved by:					

STATE EXAM DESCRIPTION

University: Comenius University in Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/2- pUXX-952/19	Course title: Psychology
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 13.01.2020	
Approved by:	

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: 542					
A	B	C	D	E	FX
18,63	14,02	24,54	19,93	18,08	4,8
Lecturers: RNDr. Jana Ciceková, PhD., Mgr. Ľudmila Skačánová					
Last change: 09.09.2019					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/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: 482					
A	B	C	D	E	FX
24,07	16,18	19,09	23,44	14,11	3,11
Lecturers: Mgr. Ľudmila Skačanová, RNDr. Jana Ciceková, PhD.					
Last change: 02.06.2015					
Approved by:					

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: 93					
A	B	C	D	E	FX
55,91	16,13	21,51	3,23	0,0	3,23
Lecturers: Mgr. Karolína Miková, PhD.					
Last change: 10.01.2020					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 101					
A	B	C	D	E	FX
49,5	40,59	8,91	0,99	0,0	0,0
Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 101					
A	B	C	D	E	FX
89,11	9,9	0,0	0,99	0,0	0,0
Lecturers: doc. RNDr. Zbyněk Kubáček, CSc.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 99					
A	B	C	D	E	FX
97,98	1,01	1,01	0,0	0,0	0,0
Lecturers: Mgr. Michaela Vargová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFL.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: 92					
A	B	C	D	E	FX
93,48	2,17	4,35	0,0	0,0	0,0
Lecturers: Mgr. Michaela Vargová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

University: Comenius University in Bratislava					
Faculty: Faculty of Mathematics, Physics and Informatics					
Course ID: FMFI.KDMFI/1-UXX-134/19		Course title: Theory of Teaching			
Educational activities: Type of activities: course Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 3.					
Educational level: I., II., N					
Prerequisites:					
Antirequisites: FMFI.KDMFI/1-UXX-134/18					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 93					
A	B	C	D	E	FX
46,24	25,81	8,6	9,68	4,3	5,38
Lecturers: Mgr. Karolína Miková, PhD.					
Last change: 01.09.2019					
Approved by:					

STATE EXAM DESCRIPTION

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