

# Course descriptions

## TABLE OF CONTENTS

1. N-mUXX-108/22	Activating Methods and Their Use in Learning.....	4
2. N-mUBI-032/22	Anthropology for Teachers.....	5
3. N-mUBI-030/22	Basics of Ecosozology.....	6
4. N-mUBI-032/22	Basics of Genetics.....	7
5. N-mUBI-033/22	Behavioral Ecology for Teachers.....	8
6. N-XXXX-005/21	Bioarchaeology.....	9
7. N-mUBI-033/22	Biological Consequences of Impact of Outside Environment Factors.....	10
8. N-mUBI-032/22	Biological Invasions for Teachers 2.....	11
9. N-UmBI-952/22	Biology and Didactics of Biology ( <b>state exam</b> ).....	12
10. N-mUBI-034/22	Biology of Reproductive and Post-reproductive Age for Teachers.....	13
11. N-mXCJ-074/22	CLIL 1 – Content and Language Integrated Learning.....	14
12. N-mXCJ-075/22	CLIL 2 – Content and Language Integrated Learning.....	15
13. N-mUBI-036/22	Clinical Anthropology for Teachers.....	16
14. N-mXCJ-078/22	Deutsch für Naturwissenschaftler A1 (začiatocníci).....	17
15. N-mXCJ-080/22	Deutsch für Naturwissenschaftler A2 (začiatocníci).....	18
16. N-mXCJ-079/22	Deutsch für Naturwissenschaftler B1 (pokročilí).....	19
17. N-mXCJ-081/22	Deutsch für Naturwissenschaftler B2 (pokročilí).....	20
18. N-mUBI-101/22	Didactics of Biology 1.....	21
19. N-mUBI-102/22	Didactics of Biology 2.....	22
20. 2-UMA-951/15	Didactics of Mathematics ( <b>state exam</b> ).....	23
21. 2-UMA-104/22	Didactics of Mathematics (1).....	26
22. 2-UMA-105/22	Didactics of Mathematics (2).....	28
23. 2-UMA-106/22	Didactics of Mathematics (3).....	30
24. 2-UMA-107/22	Didactics of Mathematics (4).....	32
25. 2-UMA-259/22	Didactics of Mathematics in Praxis (1).....	34
26. 2-UMA-260/15	Didactics of Mathematics in Praxis (2).....	36
27. N-mUBI-103/22	Didactics of School Experiments in Biology 1.....	38
28. N-mUBI-104/22	Didactics of School Experiments in Biology 2.....	39
29. N-mUXX-135/25	Digital Literacy of Student Future Teachers - International Certificate ICDL.....	40
30. N-mUBI-105/22	Digital Technologies in Biology Education.....	41
31. N-mXCJ-076/22	EAP 1/English for Academic Purposes.....	42
32. N-mXCJ-077/22	EAP 2/English for Academic Purposes.....	43
33. N-mUBI-029/22	Ecology.....	44
34. N-mUXX-106/22	Education to Marriage and Parenthood.....	45
35. N-mUBI-030/22	Essentials of Ontogeny and Evolution.....	46
36. N-mUBI-035/22	Ethnic Anthropology for Teachers.....	47
37. N-mBEK-139/22	Excursion - Ecosystems of the Earth.....	48
38. N-mUBI-031/22	Field Work from Ecology.....	49
39. N-mUBI-001/22	Fungi of Slovakia for future teachers.....	50
40. N-XXXX-004/21	Genetics for everyone.....	51
41. N-XXXX-001/21	Geography of the World in the 21.st century.....	52
42. N-mUXX-132/22	Geology for Natural Scientists.....	53
43. N-XXXX-007/21	Geology in Nutshell.....	54
44. N-mUBI-004/22	Geotouristic Attractions of Slovakia.....	55
45. N-XXXX-009/21	Global Environmental Issues.....	56
46. N-mXXX-003/22	Green University 1.....	57

47. N-mXXX-004/22	Green University 2.....	58
48. N-mUBI-027/22	Human Biology.....	59
49. N-mUBI-033/22	Human Ecology for Teachers.....	60
50. N-mBEK-129/22	Human and Ecosystems.....	61
51. 2-UMA-164/22	Introduction to Graph Theory.....	62
52. N-XXXX-008/21	Man as a part of the nature.....	64
53. N-mOBH-101/22	Master's Thesis Defence ( <b>state exam</b> ).....	65
54. N-mUXX-102/22	Master's Thesis Seminar.....	66
55. N-mUXX-128/22	Master's Thesis Seminar 1.....	67
56. N-mUXX-129/22	Master's Thesis Seminar 2.....	68
57. 2-UMA-218/11	Mathematical Background of Music.....	69
58. 2-UMA-257/15	Methods for Solving Mathematical Tasks (1).....	71
59. 2-UMA-258/15	Methods for Solving Mathematical Tasks (2).....	73
60. N-mUXX-109/22	Mobile Science Learning 1.....	75
61. N-mUXX-110/22	Mobile Science Learning 2.....	76
62. N-mUXX-131/22	New Concepts of Teaching.....	77
63. N-mUXX-124/22	Pedagogical Assessment.....	78
64. N-mUXX-125/22	Pedagogical Research Methodology.....	79
65. N-XXXX-011/21	Perspectives in Chemistry.....	80
66. N-XXXX-010/22	Perspectives of Biochemistry.....	81
67. N-mUXX-126/22	Philosophical Aspects of Education.....	82
68. N-mXTV-110/22	Physical Education 10.....	84
69. N-mXTV-107/22	Physical Education 7.....	85
70. N-mXTV-108/22	Physical Education 8.....	86
71. N-mXTV-109/22	Physical Education 9.....	87
72. N-mBFE-101/22	Physiology of Animal Behaviour.....	88
73. N-XXXX-003/21	Plants known and unknown.....	89
74. N-XXXX-002/21	Practical Geography for Natural Scientists.....	90
75. N-XXXX-012/21	Practical Geology for Everyone.....	91
76. N-mUXX-115/22	Prevention of Drug Addiction.....	92
77. N-mUBI-001/22	Principles of Behavioural Processes.....	93
78. N-mBGE-124/22	Problem Tasks in Genetics for Teachers.....	94
79. 2-UMA-253/22	Problematic Parts of Secondary School Mathematics.....	95
80. N-mUBI-001/22	Radiobiology for Teachers.....	97
81. N-mUBI-002/22	Radioecology for Teachers.....	98
82. N-mUBI-034/22	Reproductive strategies of Animals for Teachers.....	99
83. N-mUXX-116/22	Rhetoric for Teachers.....	100
84. N-mXTV-112/22	River rafting.....	101
85. 2-UMA-115/23	Selected Parts of Algebra and Theoretical Arithmetic (1).....	102
86. 2-UMA-116/24	Selected Parts of Algebra and Theoretical Arithmetic (2).....	104
87. 2-UMA-207/22	Selected Parts of Geometry (1).....	106
88. 2-UMA-208/24	Selected Parts of Geometry (2).....	108
89. 2-UMA-111/22	Selected Parts of Mathematical Analysis (1).....	110
90. 2-UMA-112/24	Selected Parts of Mathematical Analysis (2).....	112
91. 2-UMA-283/22	Selected Topics in Teaching of Mathematics.....	114
92. 2-UMA-211/22	Seminar in History of Mathematics (1).....	116
93. 2-UMA-212/24	Seminar in History of Mathematics (2).....	118
94. N-mUBI-003/22	Significant Geological Locations of Slovakia.....	120
95. N-mXCJ-090/24	Slovak for Foreign Students.....	121

96. N-mUXX-130/22	Specific Learning Disorders in School Practice.....	122
97. N-mUBI-037/22	Sports Anthropology for Teachers.....	123
98. N-mUXX-132/24	Spracovanie a interpretácia štatistických dát v pedagogicko-psychologických výskumoch.....	124
99. 2-UMA-120/23	Students' Research Exhibition (1).....	125
100. 2-UMA-220/23	Students' Research Exhibition (2).....	126
101. N-mUXX-210/25	Summer Physical-Education Training.....	127
102. N-mUBI-002/22	Survey of Vegetation of Slovakia for Teachers.....	128
103. N-mUXX-103/22	Teaching Practice 2 (A).....	129
104. N-mUXX-104/22	Teaching Practice 2 (B).....	130
105. N-mUXX-113/22	Teaching Practice 3 (A).....	131
106. N-mUXX-114/22	Teaching Practice 3 (B).....	132
107. N-mUXX-107/22	The Art of Presentation and Communication.....	133
108. N-XXXX-006/21	Theory of species.....	134
109. N-mXCJ-084/22	UNIcert Deutsch 1.....	135
110. N-mXCJ-085/22	UNIcert Deutsch 2.....	136
111. N-mXCJ-082/22	UNIcert English 1.....	137
112. N-mXCJ-083/22	UNIcert English 2.....	138
113. N-mUXX-133/24	Využitie školského dvora vo vyučovaní prírodovedných predmetov I.....	139
114. N-mUXX-134/24	Využitie školského dvora vo vyučovaní prírodovedných predmetov II.....	140
115. N-mUBI-005/22	Water Cycle in Nature.....	141
116. N-mUXX-209/25	Winter Physical-Education Training.....	142
117. N-mXTV-111/22	Žumbier mountain hiking.....	143

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-108/22		<b>Course title:</b> Activating Methods and Their Use in Learning			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 9					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD.					
<b>Last change:</b> 11.10.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-032/22		<b>Course title:</b> Anthropology for Teachers				
<b>Educational activities:</b> <b>Type of activities:</b> practicals / lecture <b>Number of hours:</b> <b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 153						
A	ABS	B	C	D	E	FX
25,49	0,0	25,49	24,18	18,95	5,88	0,0
<b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD., RNDr. Michaela Dörnhöferová, PhD., RNDr. Petra Švábová, PhD., doc. RNDr. Lenka Vorobeľová, PhD.						
<b>Last change:</b> 15.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KZ/N-mUBI-030/22			<b>Course title:</b> Basics of Ecosozology			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 1						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	100,0	0,0	0,0
<b>Lecturers:</b> prof. RNDr. Ľudovít Kocian, CSc., Mgr. Matúš Kúdela, PhD., doc. RNDr. Zlatica Országhová, CSc.						
<b>Last change:</b> 02.06.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KGe/N-mUBI-032/22		<b>Course title:</b> Basics of Genetics				
<b>Educational activities:</b> <b>Type of activities:</b> practicals / lecture <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 4						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 146						
A	ABS	B	C	D	E	FX
8,22	0,0	17,12	15,07	21,23	29,45	8,9
<b>Lecturers:</b> doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Ivana Kyzeková, PhD., Mgr. Filip Červenák, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Vladimíra Džugasová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Katarína Procházková, PhD., Mgr. Adam Hlavatý, Mgr. Martina Zálešáková, Mgr. Zuzana Kubovčíková, Mgr. Peter Hergott, Mgr. Andrea Vetráková, Mgr. Rebeka Rusnáková, Mgr. Anna Oleksandrivna Martyrosian						
<b>Last change:</b> 18.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mUBI-033/22			<b>Course title:</b> Behavioral Ecology for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Soňa Svetlíková, PhD., Mgr. Zuzana Hiadlovská						
<b>Last change:</b> 21.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KAn/N-XXXX-005/21		<b>Course title:</b> Bioarchaeology			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1375					
A	B	C	D	E	FX
69,67	9,82	6,55	5,45	4,36	4,15
<b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD., Mgr. Silvia Bodoriková, PhD., RNDr. Michaela Dörnhöferová, PhD.					
<b>Last change:</b> 07.11.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KGe/N-mUBI-033/22		<b>Course title:</b> Biological Consequences of Impact of Outside Environment Factors				
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> per week: 2 per level/semester: 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 4.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 9						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyžek, PhD.						
<b>Last change:</b> 02.10.2024						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mUBI-032/22			<b>Course title:</b> Biological Invasions for Teachers 2			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Kristína Slovák Švolíková, PhD., doc. RNDr. Eva Záhorská, PhD.						
<b>Last change:</b> 21.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> PriF.KDPP/N-UmBI-952/22	<b>Course title:</b> Biology and Didactics of Biology
<b>Number of credits:</b> 5	
<b>Educational level:</b> II.	
<b>State exam syllabus:</b>	
<b>Last change:</b> 09.08.2022	
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.	

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-034/22		<b>Course title:</b> Biology of Reproductive and Post-reproductive Age for Teachers				
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 2						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Lenka Vorobeľová, PhD.						
<b>Last change:</b> 19.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-074/22		<b>Course title:</b> CLIL 1 – Content and Language Integrated Learning			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 15					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Barbara Kordíková, PhD.					
<b>Last change:</b> 26.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-075/22		<b>Course title:</b> CLIL 2 – Content and Language Integrated Learning			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b> PriF.KJ/N-mXCJ-074/22 - CLIL 1 – Content and Language Integrated Learning					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 11					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Barbara Kordíková, PhD.					
<b>Last change:</b> 21.06.2023					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-036/22		<b>Course title:</b> Clinical Anthropology for Teachers				
<b>Educational activities:</b> <b>Type of activities:</b> practicals / lecture <b>Number of hours:</b> <b>per week:</b> 1 / 2 <b>per level/semester:</b> 13 / 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 1						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> RNDr. Darina Falbová, PhD., doc. RNDr. Lenka Vorobeľová, PhD.						
<b>Last change:</b> 19.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-078/22		<b>Course title:</b> Deutsch für Naturwissenschaftler A1 (začiatočníci)			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 79					
A	B	C	D	E	FX
98,73	0,0	0,0	0,0	0,0	1,27
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 24.07.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-080/22		<b>Course title:</b> Deutsch für Naturwissenschaftler A2 (začiatočníci)			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 39					
A	B	C	D	E	FX
94,87	0,0	0,0	0,0	0,0	5,13
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 24.07.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-079/22		<b>Course title:</b> Deutsch für Naturwissenschaftler B1 (pokročili)			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 37					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 24.07.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-081/22		<b>Course title:</b> Deutsch für Naturwissenschaftler B2 (pokročili)			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 10					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 24.07.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUBI-101/22			<b>Course title:</b> Didactics of Biology 1			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 4						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 140						
A	ABS	B	C	D	E	FX
15,0	0,0	22,86	24,29	17,14	16,43	4,29
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD.						
<b>Last change:</b> 09.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUBI-102/22			<b>Course title:</b> Didactics of Biology 2			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 1 / 2 <b>per level/semester:</b> 13 / 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 3						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 106						
A	ABS	B	C	D	E	FX
37,74	0,0	23,58	17,92	16,98	2,83	0,94
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD.						
<b>Last change:</b> 09.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFL.KDMFI/2-UMA-951/15	<b>Course title:</b> Didactics of Mathematics
<b>Number of credits:</b> 3	
<b>Educational level:</b> II.	
<b>Learning outcomes:</b> The graduate will be ready to perform the tasks assigned to a beginning math teacher.	
<b>Class syllabus:</b> State final examination in the scope of master's study of mathematics didactics. The student should be able to include the task in the thematic unit, identify preconceptions and the necessary knowledge to solve it, determine the skills that the student will learn on it, respectively. concepts that allows you to discover. The student will demonstrate a model solution, point out problematic places in the solution with which students could have problems and how he would react to them as a teacher. After completing the task, the student should outline the activities that would follow and how he would close the lesson.	
<b>State exam syllabus:</b> <ol style="list-style-type: none"> <li>1. Logic and sets Logic (propositions, operations with propositions, logical conjunctions and quantifiers), sets (number of elements of unification of two and three sets, De Morgan's formulas for complement of unification and intersection), proofs and conclusions (direct and indirect proofs, proofs by dispute, mathematical induction, mode ponens, modus tollens).</li> <li>2. Numbers, variables, numerical fields Binomial theorem and Pascal's triangle, derivation of formulas <math>a^n - b^n</math> (including geometric interpretation for <math>n = 2</math> and <math>n = 3</math>).</li> <li>3. Number theory Number of prime numbers, relation of largest common divisor and smallest common multiple of two numbers, prime decomposition number of number divisors, irrationality of the square root of a prime number, derivation of divisibility criteria 4, 5, 10, 100, 3, 6, 9.</li> <li>4. Equations, inequalities and their system Geometric interpretation of a system of two linear equations with two unknowns, conditions for the existence of solutions, equivalent and non-equivalent modifications and their relation to basic functions.</li> <li>5. Function and its properties Basic transformations of function graphs, definitions of basic properties of functions (domain of definition, domain of values, increasing and decreasing, extrema and local extrema - sharp and fuzzy, examples), inverse function and its graph.</li> <li>6. Linear and quadratic function Significance of coefficients <math>k</math> and <math>q</math> in the formula of the linear function <math>y = kx + q</math>, geometric meaning of the directive, quadratic function (derivation of the relation for calculating roots, coordinates of the vertex of the parabola).</li> <li>7. Arithmetic and geometric sequence, infinite (geometric) series Basic relationship management.</li> </ol>	

## 8. Polynomials, power functions and linear polynomials

Root factors and their relation to the roots of a polynomial equation, square roots as inverse functions to power functions, definition of a rational power of a positive number, linear polynomial function (derivation of asymptote equations and conditions why  $ad \neq bc$ ).

## 9. Exponential and logarithmic functions

Exponential functions (definition of power for natural, integer and rational exponent, basic properties of exponential function and their justification, simple and compound interest, regular deposits and withdrawals, loan repayments), definition of logarithm, rules for calculating logarithms and their connection with creation of exponential function, relationships between logarithms with different bases.

## 10. Trigonometric functions

Definition of trigonometric functions in a right triangle and using a unit circle and their mutual relation, values of trigonometric functions for basic angles, accounting formulas, formulas for double and half angle, relations for sum and difference of trigonometric functions.

## 11. Triangle

Consistency and similarity of triangles, Pythagorean and Euclidean theorems, different relations for the content of a triangle (Heron's formula, using sinus of angle, radius of inscribed and described circle), derivation of statements about intersections of angles, axes of sides, lines, heights, sine and cosine theorem.

## 12. Parallelograms and trapezoid

Derivation of formulas for the content of parallelograms and trapezoids, derivation of some of their properties the diagonals of a quadrilateral with sides  $a, b, c, d$  are perpendicular to each other just when  $a^2 + c^2 = b^2 + d^2$ ).

## 13. Circle

Formula for the content of a circle and a paragraph, size in degrees and radians, center and circumferential angle, Tales' theorem, estimation of the number  $\pi$  using written and described  $n$ -gons, related to trigonometric functions.

## 14. Analytical geometry in the plane and in space

Vectors and operations with them, scalar product and its relation to the angle of two vectors, analytical expression of a line and a plane, various equations of a line, derivation of coordinates of the center of a line and a dividing line in a given ratio, center of a triangle, size of a line, derivation of a formula lines and from the plane, angle of two lines (using scalar product, using directives), angle of line and plane, normal vector.

## 15. Sets of points of given properties and their analytical expression

Derivation of "basic" sets of points of a given property (including a set of points from which a line can be seen at a given angle).

## 16. Conic sections

Definitions of conic sections (circle, ellipse, hyperbola and parabola) as sets of points of given properties and derivation of their equations.

## 17. Suitable and similar representations, construction tasks

Examples of design tasks solved by a combination of calculation and construction, the use of sets of points of given properties in design tasks, examples of design tasks solved using identical and similar representations.

## 18. Basic ways of displaying space in a plane

Basic properties of parallel projection, hint of their justification, linear perspective and its basic properties, layers and their basic properties.

## 19. Linear formations in space - positional problems

Use of basic statements about the intersections of a pair of parallel ones planes with another plane when constructing sections of bodies by a plane.

<p>20. Solids Cavalieri's principle and its application e.g. to calculate the volume of a sphere, a formula for calculating the volume of pyramids and cones, the idea of justifying the formula for the surface of a sphere.</p> <p>21. Combinatorics Combinatorial identities, basic combinatorial rules (sum, product), typical examples of their use, derivation of formulas for the number of variations, combinations, permutations (also with repetition), combinatorial derivation of basic relations in the Pascal triangle (symmetry, sum of minor elements).</p> <p>22. Probability Statistical and Laplace definition of probability, dependent and independent events, calculation of probability for independent events, geometric probability and an example of its use.</p> <p>23. Statistics Statistical set and position measures (modus, median, mean), basic properties of the arithmetic mean (sum of deviations from the mean is equal to 0), various possibilities of describing the "scatter" of the set, Chebyshev's inequality.</p>
<p><b>Languages necessary to complete the course:</b> slovak, english</p>
<p><b>Last change:</b> 17.03.2022</p>
<p><b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.</p>

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFL.KDMFI/2-UMA-104/22	<b>Course title:</b> Didactics of Mathematics (1)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 4	
<b>Recommended semester:</b> 1.	
<b>Educational level:</b> II., N	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: group homework, reading of scientific articles, discussion of articles and the specified topic, group work on a lesson plan described for each group in the assignment. The student must obtain at least 50% of the continuous assessment and each assignment must be evaluated with a non-zero number of points. Final evaluation: oral exam, individual preparation of a lesson plan and its presentation Indicative assessment scale: A 94%, B 86%, C 79%, D 70%, E 60%, Fx <60% Scale of assessment (preliminary/final): 60/40	
<b>Learning outcomes:</b> The student will gain an overview of didactic theories, will be able to critically evaluate them and use the appropriate methods and forms. Through activities at the seminar, they will acquire modern teaching techniques that are a prevention of formal knowledge and misconceptions in mathematics. The study of scientific and research articles and the subsequent discussion or authentic experience will give graduates a better insight into the issues of inclusive school, creating preparations for the lesson (or sequence) and asking "good questions".	
<b>Class syllabus:</b> The language of mathematics, its historical development and didactic significance. A parallel between phylogeny and ontogeny of mathematical thinking. Conceptual and cognitive process in mathematics. Principles, means and forms of teaching in mathematics. Objectives of the teaching process in mathematics. Learning theories. Lesson preparation and its starting points. Resources and their use in preparation, during teaching in evaluation. Hypothetical learning trajectories.	
<b>Recommended literature:</b> Dítě, škola a matematika: Konstruktivistické přístupy k vyučování / Milan Hejný, František Kuřina. Praha : Portál, 2001 Moderní vyučování / George Petty Praha : Portál, 1993 Dvacet pět kapitol z didaktiky matematiky / Milan Hejný, Jarmila Novotná, Nad'ea Stehlíková (Eds.) Praha, 2004	

Komunikácia v inkluzívnej škole / Marta Hornáková. Bratislava: Univerzita Komenského v Bratislave. 2017

Elementary and Middle School Mathematics: Teaching Developmentally. / John A. Van de Walle, Karen Karp, Jennifer M. Bay-Williams. Pearson.

Theory of didactical situations in mathematics /Guy Brousseau. Springer, 1997

Textbook explanations: Modes of reasoning in 7th grade Israeli mathematics textbooks. / Silverman B, and Even R., CERME 9. Charles University in Prague. Faculty of Education. 2015, pp.205-212

Od obsahu vzdelávania k žakovej znalosti: Kritická miesta na ceste do školy a ze školy / T. Janik, Arnica 8, 2018, 1–8. Západočeská univerzita v Plzni, Plzeň.

Refining teacher design capacity: Mathematics teachers' interactions with digital curriculum resources / Birgit Pepin, Ghislaine Gueudet, Luc Trouche. In. ZDM Mathematics Education, 2017, 49, 799–812 <https://doi.org/10.1007/s11858-017-0870-8>

Own electronic materials published via the subject's website (eg course in LMS Moodle)

**Languages necessary to complete the course:**

slovak, english

**Notes:**

**Past grade distribution**

Total number of evaluated students: 229

A	B	C	D	E	FX
85,15	9,61	3,49	0,87	0,0	0,87

**Lecturers:** doc. PaedDr. Mária Slavičková, PhD.

**Last change:** 15.06.2022

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFL.KDMFI/2-UMA-105/22	<b>Course title:</b> Didactics of Mathematics (2)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 4 per level/semester: 52</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 4	
<b>Recommended semester:</b> 2.	
<b>Educational level:</b> II., N	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: individual preparation of a lesson plan and its placement in the thematic plan, microteaching, preparation of written tests (2 equal groups), peer assessment, didactic analysis of teaching texts, reading and discussion of scientific articles. The student must obtain at least 50% of the continuous assessment and each assignment must be evaluated with a non-zero number of points. Exam: written with oral consultation Indicative assessment scale: A 94%, B 86%, C 79%, D 70%, E 60%, Fx <60% Scale of assessment (preliminary/final): 60/40	
<b>Learning outcomes:</b> The graduate of the course is acquainted with the goals of mathematics education at lower secondary school, with adequate teaching methods, forms and means, with ways of introducing selected mathematical concepts, is ready for his work in school and out of school, can transfer to pedagogical practice knowledge and skills acquired in individual professional disciplines. The study of scientific and research articles with a subsequent discussion or an authentic experience will give graduates a better insight into the cognitive and affective components of mathematics teaching at lower secondary school.	
<b>Class syllabus:</b> Specifics of teaching mathematics for individual topics and concepts of mathematics at lower secondary school: educational goals, activities, the assumption of the development of student understanding in the context of educational activities and the creation of a hypothetical trajectory. Selection of adequate methods, forms and age-appropriate activities for teaching mathematics at the second stage of primary school. Integration of digital technologies into the teaching of mathematics also in order to support argumentation, reasoning, and building a mathematical culture (correctness of concepts, procedures, arguments, etc.).	
<b>Recommended literature:</b> Dítě, škola a matematika: Konstruktivistické přístupy k vyučování / Milan Hejný, František Kuřina. Praha : Portál, 2001	

Moderní vyučování / Geoffrey Petty. Praha : Portál, 1993  
 Is this a coincidence? The role of examples in fostering a need for proof / Buchbinder, O., Zaslavsky, O., ZDM Mathematics Education 43, 269 (2011). <https://doi.org/10.1007/s11858-011-0324-7>  
 Elementary and Middle School Mathematics: Teaching Developmentally. / John A. Van de Walle, Karen Karp, Jennifer M. Bay-Williams. Pearson. 2012  
 Strategies for Teaching Fractions: Using Error Analysis for Intervention and Assessment / David B. Spangler.  
 Dvacet pět kapitol z didaktiky matematiky / Milan Hejný, Jarmila Novotná, Nad'a Stehlíková (Eds.) Praha, 2004  
 Dostupné učebnice Matematiky pre 5. – 9. ročník ZŠ a nižšie ročníky osemročných gymnázií / Ján Žabka, Pavol Černek / Ondrej Šedivý a kol. / Soňa Čeretková a kol. / Milan Hejný a kol.  
 Nový Pomocník z matematiky (5. – 9. ročník) / Iveta Kohanová a kol.  
 Own electronic materials published via the subject's website (eg course in LMS Moodle)

**Languages necessary to complete the course:**

slovak, english

**Notes:**

**Past grade distribution**

Total number of evaluated students: 194

A	B	C	D	E	FX
65,46	17,53	12,37	3,09	1,03	0,52

**Lecturers:** doc. PaedDr. Mária Slavičková, PhD., doc. PaedDr. Peter Vankúš, PhD.

**Last change:** 17.06.2022

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKDMFI/2-UMA-106/22	<b>Course title:</b> Didactics of Mathematics (3)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 4 per level/semester: 52</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 4	
<b>Recommended semester:</b> 3.	
<b>Educational level:</b> II., N	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: individual preparation of a lesson plan and its placement in the thematic plan, microteaching, preparation of written tests (2 equal groups), peer assessment, didactic analysis of teaching texts, reading and discussion of scientific articles. The student must obtain at least 50% of the continuous assessment and each assignment must be evaluated with a non-zero number of points. Exam: written with oral consultation Indicative assessment scale: A 94%, B 86%, C 79%, D 70%, E 60%, Fx <60% Scale of assessment (preliminary/final): 60/40	
<b>Learning outcomes:</b> The graduate of the course is acquainted with the goals of mathematics education at upper secondary schools, with adequate teaching methods, forms and means, with ways of introducing selected mathematical concepts, is ready for his work at school and outside school, can transfer to pedagogical practice knowledge and skills acquired in individual professional disciplines. Specially, the graduate of the course will gain an overview of didactic procedures for teaching mathematics suitable for the transition from lower to upper secondary school and in the first years of upper secondary school.	
<b>Class syllabus:</b> Specifics of the last year of lower secondary school, transition to the 1st year of upper secondary school. Appropriate activities of teaching mathematics for individual topics of the first and second year of upper secondary school: educational goals, activities, the assumption of the development of student understanding in the context of educational activities and the creation of their hypothetical scenario. Selection of adequate methods, forms and cognitively appropriate activities. Integration of digital technologies into the teaching of mathematics also in order to support argumentation, reasoning, and building a mathematical culture (correctness of concepts, procedures, arguments, etc.).	
<b>Recommended literature:</b>	

Dítě, škola a matematika: Konstruktivistické přístupy k vyučování / Milan Hejný, František Kuřina. Praha : Portál, 2001  
 Moderní vyučování / Geoffrey Petty Praha : Portál, 1993  
 Dvacet pět kapitol z didaktiky matematiky / Milan Hejný, Jarmila Novotná, Nad' a Stehnlíková (Eds.) Praha, 2004  
 Thinking mathematically / John Mason, Leone Burton, Kaye Stacey. Pearson, 2010  
 Explanation and Proof in Mathematics. Philosophical and Educational Perspectives / G. Hanna, H. N. Jahnke, H. Pulte (Eds.), Springer 2010  
 Matematika a svet okolo nás : Zbierka úloh / Zbyněk Kubáček ... [et al.]. Bratislava : Pavol Cibulka, 2008  
 Učebnice matematiky pre gymnáziá / Zbyněk Kubáček  
 Matematika : 1 : zbierka úloh pre stredné školy / Iveta Kohanová ... [et al.]. Bratislava : Orbis Pictus Istropolitana, 2011  
 Own electronic materials published via the subject's website (eg course in LMS Moodle)

**Languages necessary to complete the course:**

**Notes:**

**Past grade distribution**

Total number of evaluated students: 193

A	B	C	D	E	FX
66,32	19,69	9,33	2,07	2,59	0,0

**Lecturers:** doc. PaedDr. Mária Slavíčková, PhD., doc. PaedDr. Peter Vankúš, PhD.

**Last change:** 15.06.2022

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFL.KDMFI/2-UMA-107/22	<b>Course title:</b> Didactics of Mathematics (4)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 4	
<b>Recommended semester:</b> 4.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: individual preparation of a lesson plan and its placement in the thematic plan, microteaching, preparation of written tests (2 equal groups), peer assessment, didactic analysis of teaching texts, reading and discussion of scientific articles. The student must obtain at least 50% of the continuous assessment and each assignment must be evaluated with a non-zero number of points. Exam: written with oral consultation Indicative assessment scale: A 94%, B 86%, C 79%, D 70%, E 60%, Fx <60% Scale of assessment (preliminary/final): 60/40	
<b>Learning outcomes:</b> The graduate of the course will gain an overview of didactic procedures in the teaching of mathematics at upper secondary school and in the preparation of students for the school-leaving examination in mathematics, in extracurricular activities. The described activities of the educational process are focused on the creative use of knowledge from mathematics acquired during the study.	
<b>Class syllabus:</b> Selected activities for teaching mathematics on the topics of the third and fourth year of high school (for graduates and non-graduates): educational goals, activities, the assumption of the development of student understanding in the context of educational activities and the creation of hypothetical trajectories.	
<b>Recommended literature:</b> Učebnice matematiky pre gymnáziá / Zbyněk Kubáček Matematika : 1 : zbirka úloh pre stredné školy / Iveta Kohanová ... [et al.]. Bratislava : Orbis Pictus Istropolitana, 2011 Seminár z matematiky, časti 1 – 3 / Zbyněk Kubáček, Ján Žabka Explanation and Proof in Mathematics. Philosophical and Educational Perspectives / G. Hanna, H. N. Jahnke, H. Pulte (Eds.), Springer 2010 Thinking mathematically / John Mason, Leone Burton, Kaye Stacey. Pearson, 2010 Maturitné testy z matematiky /nucem.sk	

Own electronic materials published via the subject's website (eg course in LMS Moodle)

**Languages necessary to complete the course:**

slovak, english

**Notes:**

**Past grade distribution**

Total number of evaluated students: 52

A	B	C	D	E	FX
82,69	11,54	3,85	1,92	0,0	0,0

**Lecturers:** doc. PaedDr. Mária Slavíčková, PhD., doc. PaedDr. Peter Vankúš, PhD.

**Last change:** 17.06.2022

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKMANM/2- UMA-259/22	<b>Course title:</b> Didactics of Mathematics in Praxis (1)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 3.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Ongoing evaluation: homeworks Indicative rating scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> Students will be prepared for the situations they will experience in the reality of teaching mathematics at the second primary education stage. They will know various teaching techniques, methods of interpretation, working with the textbook as well as supplementary materials, various forms of written and oral examinations, as well as methods of correcting children's solutions. They will learn to distinguish which statements help students and which harms them.	
<b>Class syllabus:</b> Demonstrations of a transmissive and constructivist way of leading a lesson. Error preview. Textbook as a teacher's aid. Textbook as a student aid. (Topics will be documented in the curriculum of the second primary education stage).	
<b>Recommended literature:</b> Aj geometria naučila človeka myslieť / Milan Hejný. Bratislava : Slovenské pedagogické nakladateľstvo, 1990 Analýza řešení slovních úloh : Kapitoly z didaktiky matematiky. / Jarmila Novotná.. Praha : Univerzita Karlova,, 2000. Dítě, škola a matematika : Konstruktivistické přístupy k vyučování / Milan Hejný, František Kuřina. Praha : Portál, 2001 Teória vyučovania matematiky 2 / Milan Hejný ... [et al.]. Bratislava : Slovenské pedagogické nakladateľstvo, 1990	
<b>Languages necessary to complete the course:</b> Slovak, English	
<b>Notes:</b>	

<b>Past grade distribution</b>					
Total number of evaluated students: 119					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., Mgr. Lucia Šimová					
<b>Last change:</b> 15.03.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKMANM/2- UMA-260/15	<b>Course title:</b> Didactics of Mathematics in Praxis (2)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 4.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Ongoing evaluation: homeworks Indicative rating scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> Students will be prepared for the situations they will experience in the school reality of teaching mathematics in secondary school. They will know various teaching techniques, methods of interpretation, working with the textbook as well as supplementary materials, various forms of written and oral examinations, as well as methods of correcting children's solutions. They will learn to distinguish which statements help students and which harms them.	
<b>Class syllabus:</b> Evaluation and classification. Preparations, analysis and corrections of written works and tests (topics will be documented in the secondary school curriculum).	
<b>Recommended literature:</b> Aj geometria naučila človeka myslieť / Milan Hejný. Bratislava : Slovenské pedagogické nakladateľstvo, 1990 Dítě, škola a matematika : Konstruktivistické přístupy k vyučování / Milan Hejný, František Kuřina. Praha : Portál, 2001 Stavba planimetrie / Ján Gatiaľ, Milan Hejný. Bratislava : Slovenské pedagogické nakladateľstvo, 1973 Teória vyučovania matematiky 2 / Milan Hejný ... [et al.]. Bratislava : Slovenské pedagogické nakladateľstvo, 1990 Analýza řešení slovních úloh : Kapitoly z didaktiky matematiky. / Jarmila Novotná.. Praha : Univerzita Karlova, 2000.	
<b>Languages necessary to complete the course:</b> Slovak, English	

<b>Notes:</b>					
<b>Past grade distribution</b>					
Total number of evaluated students: 81					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., Mgr. Lucia Šimová					
<b>Last change:</b> 15.03.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUBI-103/22			<b>Course title:</b> Didactics of School Experiments in Biology 1			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 3						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 140						
A	ABS	B	C	D	E	FX
7,14	0,0	21,43	30,0	22,14	15,71	3,57
<b>Lecturers:</b> PhDr. Michael Fuchs, PhD.						
<b>Last change:</b> 09.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUBI-104/22			<b>Course title:</b> Didactics of School Experiments in Biology 2			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 3						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 107						
A	ABS	B	C	D	E	FX
12,15	0,0	25,23	31,78	17,76	13,08	0,0
<b>Lecturers:</b> PhDr. Michael Fuchs, PhD.						
<b>Last change:</b> 09.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-135/25		<b>Course title:</b> Digital Literacy of Student Future Teachers - International Certificate ICDL			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> per week: 2 per level/semester: 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> RNDr. Slavka Blichová, doc. RNDr. Beáta Brestenská, CSc.					
<b>Last change:</b> 24.02.2026					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUBI-105/22			<b>Course title:</b> Digital Technologies in Biology Education			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 153						
A	ABS	B	C	D	E	FX
78,43	0,0	18,95	1,96	0,0	0,0	0,65
<b>Lecturers:</b> RNDr. Soňa Nagyová, PhD.						
<b>Last change:</b> 22.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-076/22		<b>Course title:</b> EAP 1/English for Academic Purposes			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 349					
A	B	C	D	E	FX
78,8	16,62	3,15	0,0	0,86	0,57
<b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
<b>Last change:</b> 26.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-077/22		<b>Course title:</b> EAP 2/English for Academic Purposes			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 224					
A	B	C	D	E	FX
83,48	12,05	1,79	0,45	0,45	1,79
<b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD., Mgr. Mariana Hyžná, PhD.					
<b>Last change:</b> 26.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mUBI-029/22			<b>Course title:</b> Ecology			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 139						
A	ABS	B	C	D	E	FX
41,73	0,0	24,46	15,11	5,04	8,63	5,04
<b>Lecturers:</b> doc. RNDr. Eva Záhorská, PhD.						
<b>Last change:</b> 21.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-106/22		<b>Course title:</b> Education to Marriage and Parenthood			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 61					
A	B	C	D	E	FX
98,36	0,0	0,0	0,0	0,0	1,64
<b>Lecturers:</b> RNDr. Soňa Nagyová, PhD.					
<b>Last change:</b> 22.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mUBI-030/22		<b>Course title:</b> Essentials of Ontogeny and Evolution				
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 154						
A	ABS	B	C	D	E	FX
88,96	0,0	7,14	2,6	0,65	0,0	0,65
<b>Lecturers:</b> doc. RNDr. Eva Záhorská, PhD., prof. RNDr. Jozef Klembara, DrSc.						
<b>Last change:</b> 21.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-035/22		<b>Course title:</b> Ethnic Anthropology for Teachers				
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD.						
<b>Last change:</b> 15.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mBEK-139/22		<b>Course title:</b> Excursion - Ecosystems of the Earth				
<b>Educational activities:</b> <b>Type of activities:</b> excursion <b>Number of hours:</b> <b>per week: per level/semester:</b> 3t <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 5						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 6						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Tomáš Derka, PhD.						
<b>Last change:</b> 06.11.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mUBI-031/22		<b>Course title:</b> Field Work from Ecology				
<b>Educational activities:</b> <b>Type of activities:</b> fieldwork <b>Number of hours:</b> <b>per week: per level/semester:</b> 1t <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 107						
A	ABS	B	C	D	E	FX
91,59	0,0	0,93	7,48	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Tomáš Derka, PhD., RNDr. Pavel Beracko, PhD., Mgr. Barbora Števoce, PhD., Mgr. Kristína Slovák Švolíková, PhD., RNDr. Zuzana Čiamporová Zaťovičová, PhD., Mgr. Soňa Svetlíková, PhD., Ing. Jiří Křišťan, PhD.						
<b>Last change:</b> 21.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KBo/N-mUBI-001/22			<b>Course title:</b> Fungi of Slovakia for future teachers			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. Mgr. Soňa Jančovičová, PhD.						
<b>Last change:</b> 06.08.2025						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KGe/N-XXXX-004/21		<b>Course title:</b> Genetics for everyone			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1483					
A	B	C	D	E	FX
94,07	0,67	0,0	0,0	0,0	5,26
<b>Lecturers:</b> RNDr. Regina Sepšiová, PhD., doc. Mgr. Miroslava Slaninová, Dr., Mgr. Filip Červenák, PhD., prof. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Mária Peťková, PhD., Mgr. Ivana Kyzeková, PhD., doc. RNDr. Vladimíra Džugasová, PhD.					
<b>Last change:</b> 15.08.2025					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KRGRR/N- XXXX-001/21		<b>Course title:</b> Geography of the World in the 21.st century			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 147					
A	B	C	D	E	FX
83,67	2,72	6,12	0,68	0,68	6,12
<b>Lecturers:</b> Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Gurňák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., doc. Mgr. Martin Šveda, PhD., prof. RNDr. Ladislav Tolmáči, PhD., RNDr. Mgr. Anna Tolmáči, PhD., Mgr. Gabriel Zubriczký, PhD.					
<b>Last change:</b> 15.05.2021					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KGP/N-mUXX-132/22		<b>Course title:</b> Geology for Natural Scientists			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 5					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. Mgr. Natália Hlavatá Hudáčková, PhD., doc. Mgr. Peter Uhlík, PhD., prof. RNDr. Martin Bednarik, PhD., doc. RNDr. Ľubomír Jurkovič, PhD., RNDr. Ivana Ondrejková, PhD., prof. RNDr. Roman Pašteka, PhD., doc. RNDr. Jana Fridrichová, PhD.					
<b>Last change:</b> 06.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KGP/N-XXXX-007/21		<b>Course title:</b> Geology in Nutshell			
<b>Educational activities:</b> <b>Type of activities:</b> practicals / lecture <b>Number of hours:</b> <b>per week:</b> 1 / 2 <b>per level/semester:</b> 13 / 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 58					
A	B	C	D	E	FX
89,66	0,0	0,0	0,0	8,62	1,72
<b>Lecturers:</b> prof. RNDr. Roman Aubrecht, Dr., prof. Mgr. Natália Hlavatá Hudáčková, PhD., doc. RNDr. Jozef Hók, CSc., doc. RNDr. Alexander Lačný, PhD., doc. RNDr. Jana Fridrichová, PhD., RNDr. Ondrej Nemeč, PhD.					
<b>Last change:</b> 20.01.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KMPLG/N-mUBI-004/22			<b>Course title:</b> Geotouristic Attractions of Slovakia			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week: per level/semester:</b> 3d <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 1						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Daniel Ozdín, PhD., doc. RNDr. Peter Ružička, PhD.						
<b>Last change:</b> 07.11.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KPI/N-XXXX-009/21		<b>Course title:</b> Global Environmental Issues			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1126					
A	B	C	D	E	FX
90,5	0,0	0,27	0,0	0,0	9,24
<b>Lecturers:</b> doc. RNDr. Katarína Pavličková, CSc., prof. RNDr. Pavel Dlapa, PhD., doc. RNDr. Martina Zvaríková, PhD., doc. RNDr. Ľubomír Jurkovič, PhD.					
<b>Last change:</b> 09.11.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KEM/N-mXXX-003/22		<b>Course title:</b> Green University 1			
<b>Educational activities:</b> <b>Type of activities:</b> practicals / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 2., 3., 4., 5., 6..					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 36					
A	B	C	D	E	FX
94,44	0,0	0,0	0,0	0,0	5,56
<b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD., RNDr. Hubert Žarnovičan, PhD.					
<b>Last change:</b> 24.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KEM/N-mXXX-004/22		<b>Course title:</b> Green University 2			
<b>Educational activities:</b> <b>Type of activities:</b> practicals / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 2., 3., 4., 5., 6..					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 17					
A	B	C	D	E	FX
94,12	0,0	0,0	0,0	0,0	5,88
<b>Lecturers:</b> RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD., RNDr. Hubert Žarnovičan, PhD.					
<b>Last change:</b> 24.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-027/22			<b>Course title:</b> Human Biology			
<b>Educational activities:</b> <b>Type of activities:</b> practicals / lecture <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 4						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 110						
A	ABS	B	C	D	E	FX
39,09	0,0	20,0	20,0	5,45	12,73	2,73
<b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD., RNDr. Michaela Dörnhöferová, PhD., RNDr. Petra Švábová, PhD.						
<b>Last change:</b> 19.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-033/22			<b>Course title:</b> Human Ecology for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week:</b> 2 <b>per level/semester:</b> 26 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Radoslav Beňuš, PhD.						
<b>Last change:</b> 19.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mBEK-129/22			<b>Course title:</b> Human and Ecosystems			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 4.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Barbora Števove, PhD., Mgr. Kristína Slovák Švolíková, PhD.						
<b>Last change:</b> 24.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFI.KAG/2-UMA-164/22		<b>Course title:</b> Introduction to Graph Theory			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI.KAG+KI/2-UMA-164/15					
<b>Course requirements:</b> Preliminary evaluation: homeworks Exam: oral Indicative evaluation scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 50/50					
<b>Learning outcomes:</b> Students will get acquainted with basic concepts of graph theory. At the same time, they will learn to transform different types of problems into graph theory problems and solve them algorithmically.					
<b>Class syllabus:</b> Some basic concepts and results from graph theory, searching graphs reachability and connectivity, trees and spanning trees, planar graphs, hard problems in graph theory.					
<b>Recommended literature:</b> Grafové algoritmy / Ján Plesník. Bratislava : Veda, 1983 Grafy a jejich aplikace / Jiří Demel, Academia, 2002 Konec záhady hlavolamů / Stanislav Vejmla, SPN 1989					
<b>Languages necessary to complete the course:</b> slovak,english					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 8					
A	B	C	D	E	FX
25,0	12,5	0,0	37,5	25,0	0,0
<b>Lecturers:</b> doc. RNDr. Martin Mačaj, PhD.					
<b>Last change:</b> 14.03.2022					

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KPI/N-XXXX-008/21		<b>Course title:</b> Man as a part of the nature			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1660					
A	B	C	D	E	FX
90,72	0,3	0,0	0,0	0,06	8,92
<b>Lecturers:</b> doc. RNDr. Martina Zvaríková, PhD., prof. RNDr. Pavel Dlapa, PhD., RNDr. Malvína Reiffers Čierniková, PhD., prof. PaedDr. Pavol Prokop, DrSc., prof. RNDr. Peter Fedor, DrSc., prof. Ing. Eva Chmielewská, CSc., RNDr. Martin Labuda, PhD., doc. RNDr. Eva Pauditšová, PhD., RNDr. Hubert Žarnovičan, PhD., doc. RNDr. Stanislav Rapant, DrSc., doc. RNDr. Ľubomír Jurkovič, PhD., doc. Mgr. Tomáš Lánczos, PhD., doc. RNDr. Katarína Pavličková, CSc.					
<b>Last change:</b> 09.11.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## STATE EXAM DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> PriF.KDPP/N-mOBH-101/22	<b>Course title:</b> Master's Thesis Defence
<b>Number of credits:</b> 10	
<b>Educational level:</b> II.	
<b>State exam syllabus:</b>	
<b>Last change:</b> 22.08.2022	
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.	

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUXX-102/22			<b>Course title:</b> Master's Thesis Seminar			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 3						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 164						
A	ABS	B	C	D	E	FX
59,15	0,0	16,46	11,59	3,66	6,71	2,44
<b>Lecturers:</b> prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. Štefan Karolčík, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., doc. PaedDr. Elena Čipková, PhD., RNDr. Soňa Nagyová, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., doc. PaedDr. Anna Drozdíková, PhD., prof. RNDr. Ladislav Tolmáči, PhD., doc. Mgr. Marcel Horňák, PhD., RNDr. Ivan Ružek, PhD., doc. RNDr. František Križan, PhD., RNDr. Katarína Danielová, PhD., PhDr. ThLic. Peter Ikhardt, PhD., Mgr. Štefan Zolcer, PhD., RNDr. Jana Ciceková, PhD., doc. RNDr. Eliška Gálová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., RNDr. Jana Chrappová, PhD., doc. Ing. Mária Mečiarová, PhD., Ing. Jozef Kahan, PhD., Mgr. Barbora Števove, PhD., Mgr. Slavomír Čerňanský, PhD., prof. Mgr. Natália Hlavatá Hudáčková, PhD., PaedDr. Dominik Šmida, PhD., PhDr. Michael Fuchs, PhD., doc. RNDr. Daniel Gurnák, PhD.						
<b>Last change:</b> 14.09.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-128/22		<b>Course title:</b> Master's Thesis Seminar 1			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 110					
A	B	C	D	E	FX
81,82	6,36	7,27	2,73	1,82	0,0
<b>Lecturers:</b> doc. RNDr. Štefan Karolčík, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. PaedDr. Elena Čipková, PhD., RNDr. Soňa Nagyová, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., doc. PaedDr. Anna Drozdíková, PhD., prof. RNDr. Ladislav Tolmáči, PhD., doc. Mgr. Marcel Horňák, PhD., RNDr. Ivan Ružek, PhD., doc. RNDr. František Križan, PhD., RNDr. Katarína Danielová, PhD., PhDr. ThLic. Peter Ikhardt, PhD., Mgr. Štefan Zolcer, PhD., RNDr. Jana Ciceková, PhD., doc. RNDr. Eliška Gálová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., RNDr. Jana Chrappová, PhD., doc. Ing. Mária Mečiarová, PhD., Ing. Jozef Kahan, PhD., prof. Mgr. Natália Hlavatá Hudáčková, PhD., Mgr. Slavomír Čerňanský, PhD., Mgr. Barbora Števoce, PhD., PaedDr. Dominik Šmida, PhD., PhDr. Michael Fuchs, PhD., doc. RNDr. Daniel Gurňák, PhD.					
<b>Last change:</b> 22.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-129/22		<b>Course title:</b> Master's Thesis Seminar 2			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 4 per level/semester: 52</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 112					
A	B	C	D	E	FX
67,86	17,86	7,14	3,57	3,57	0,0
<b>Lecturers:</b> doc. RNDr. Štefan Karolčík, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. PaedDr. Elena Čipková, PhD., RNDr. Soňa Nagyová, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., doc. PaedDr. Anna Drozdíková, PhD., prof. RNDr. Ladislav Tolmáči, PhD., doc. Mgr. Marcel Horňák, PhD., RNDr. Ivan Ružek, PhD., doc. RNDr. František Križan, PhD., RNDr. Katarína Danielová, PhD., PhDr. ThLic. Peter Ikhardt, PhD., Mgr. Štefan Zolcer, PhD., RNDr. Jana Ciceková, PhD., doc. RNDr. Eliška Gálová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., RNDr. Jana Chrappová, PhD., doc. Ing. Mária Mečiarová, PhD., Ing. Jozef Kahan, PhD., Mgr. Barbora Števove, PhD., Mgr. Slavomír Čerňanský, PhD., prof. Mgr. Natália Hlavatá Hudáčková, PhD., PaedDr. Dominik Šmida, PhD., PhDr. Michael Fuchs, PhD., doc. RNDr. Daniel Gurňák, PhD.					
<b>Last change:</b> 22.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKDMFI/2-UMA-218/11	<b>Course title:</b> Mathematical Background of Music
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 3.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: individual work of students, project Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> By completing the course, the student will deepen and combine knowledge of basic mathematics courses in bachelor's studies in the study program mathematics teacher preparation in combination, build on knowledge of mathematics didactics and broaden horizons in the context of creating lessons using interdisciplinary relationships.	
<b>Class syllabus:</b> Selected parts of music theory from the point of view of mathematics, connection to mathematics from lower secondary school to university, related to the teaching of mathematics, preparation of interdisciplinary projects and activities for direct inclusion in teaching and leisure activities.	
<b>Recommended literature:</b> Mathematics and Art / Bruter (Ed.), Springer Hudba ako zdroj námetov vo vyučovaní matematiky / M. Slavičková, In. Matematika, informatika, fyzika. Roč. 21, č. 38 (2012), s. 3-8. ISSN 1335-7794 Chladniho obrazce / E. Dubajová, (časť diplomovej práce), dostupné na <a href="https://wilma.sk/dokumenty/ef0ed9b0f05bd757ddcf91b96794b0cf/show">https://wilma.sk/dokumenty/ef0ed9b0f05bd757ddcf91b96794b0cf/show</a> The Science of Sound / T. D. Rossing, R. F. Moore, P. A. Wheeler, 3. vyd., Pearson, 2014 Music: A Mathematical Offering / D. Benson, Department of Mathematics, Meston Building, University of Aberdeen, UK. 2008	
<b>Languages necessary to complete the course:</b> slovak, english	
<b>Notes:</b> To complete the course, it is recommended to have at least a basic knowledge of music theory (min. of 2 years music school)	

<b>Past grade distribution</b>					
Total number of evaluated students: 19					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Mária Slavíčková, PhD.					
<b>Last change:</b> 17.03.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFL.KDMFI/2-UMA-257/15	<b>Course title:</b> Methods for Solving Mathematical Tasks (1)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 1.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: Homework - individual work of students Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> After completing the course, students will master methods of solving various mathematical tasks from the curriculum of lower and upper secondary school and will be able to apply these methods in the teaching of mathematics.	
<b>Class syllabus:</b> Generally about solving mathematical tasks, basic methods of solving mathematical tasks –patterns identification and conclusion making, figural approaches to solving, formulating equivalent problems, modifying the problem, choosing effective marking, using symmetry, dividing the problem into several special cases, reverse procedure, indirect procedure, use of parity, mathematical induction, Dirichlet (Pigeon) principle.	
<b>Recommended literature:</b> Metódy riešenia matematických problémov / L. C. Larson ; from the American original translated by Jaroslav Smítal. Bratislava : Alfa, 1990 Metódy riešenia matematických úloh / Tomáš Hecht, Zita Sklenáriková. Bratislava : Slovenské pedagogické nakladateľstvo, 1992 Tasks from Mathematical Olympiad and Mathematical correspondence seminars	
<b>Languages necessary to complete the course:</b> Slovak, English	
<b>Notes:</b>	

<b>Past grade distribution</b>					
Total number of evaluated students: 198					
A	B	C	D	E	FX
89,39	4,55	1,01	0,51	0,51	4,04
<b>Lecturers:</b> doc. PaedDr. Peter Vankúš, PhD., Mgr. Emília Miřková, PhD.					
<b>Last change:</b> 17.03.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFLKDMFI/2-UMA-258/15		<b>Course title:</b> Methods for Solving Mathematical Tasks (2)			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Continuous assessment: Homework - individual work of students Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 100/0					
<b>Learning outcomes:</b> After completing the course, students will master methods of solving various mathematical tasks from the curriculum of lower and upper secondary school and will be able to apply these methods in the teaching of mathematics.					
<b>Class syllabus:</b> Equations, inequalities, systems of equations and inequalities, sets of points of given properties, analytical geometry, construction tasks, planimetric tasks, stereometric tasks, inequalities in geometry, number theory, diophantic equations, combinatorial geometry, sequences, recurrent relationships, trigonometry and complex numbers, probability.					
<b>Recommended literature:</b> Metódy riešenia matematických problémov / L. C. Larson ; from the American original translated by Jaroslav Smítal. Bratislava : Alfa, 1990 Metódy riešenia matematických úloh / Tomáš Hecht, Zita Sklenáriková. Bratislava : Slovenské pedagogické nakladateľstvo, 1992 Tasks from Mathematical Olympiad and Mathematical correspondence seminars					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 114					
A	B	C	D	E	FX
94,74	2,63	0,88	0,0	0,0	1,75

**Lecturers:** Mgr. Emília Miťková, PhD., doc. PaedDr. Peter Vankúš, PhD.

**Last change:** 17.03.2022

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-109/22		<b>Course title:</b> Mobile Science Learning 1			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 6					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD., PhDr. Michael Fuchs, PhD.					
<b>Last change:</b> 21.06.2023					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-110/22		<b>Course title:</b> Mobile Science Learning 2			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD., PhDr. Michael Fuchs, PhD.					
<b>Last change:</b> 21.06.2023					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-131/22		<b>Course title:</b> New Concepts of Teaching			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 8					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. PaedDr. Zuzana Haláková, PhD.					
<b>Last change:</b> 22.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-124/22		<b>Course title:</b> Pedagogical Assessment			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 125					
A	B	C	D	E	FX
24,8	49,6	16,0	4,8	4,0	0,8
<b>Lecturers:</b> PhDr. ThLic. Peter Ikhardt, PhD.					
<b>Last change:</b> 27.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-125/22		<b>Course title:</b> Pedagogical Research Methodology			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 2 / 2 <b>per level/semester:</b> 26 / 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 4					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 156					
A	B	C	D	E	FX
28,21	26,92	19,87	15,38	6,41	3,21
<b>Lecturers:</b> prof. RNDr. Miroslav Prokša, CSc., doc. PaedDr. Anna Drozdíková, PhD.					
<b>Last change:</b> 09.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJCh/N-XXXX-011/21		<b>Course title:</b> Perspectives in Chemistry			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 105					
A	B	C	D	E	FX
45,71	27,62	7,62	2,86	0,95	15,24
<b>Lecturers:</b> doc. RNDr. Martin Putala, CSc., prof. RNDr. Ivan Černušák, DrSc., doc. RNDr. Erik Rakovský, PhD., Mgr. Peter Hrobárik, PhD., doc. RNDr. Oľga Rosskopfová, PhD., Mgr. Táňa Sebechlebská, PhD., Ing. Darina Tóthová, CSc., doc. RNDr. Radoslav Halko, PhD., prof. RNDr. Marian Masár, PhD., doc. RNDr. Jana Korduláková, PhD., doc. Mgr. Peter Polčic, PhD., doc. RNDr. Andrej Boháč, CSc.					
<b>Last change:</b> 07.11.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KBCh/N-XXXX-010/22		<b>Course title:</b> Perspectives of Biochemistry			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 415					
A	B	C	D	E	FX
92,53	0,0	0,0	0,0	0,0	7,47
<b>Lecturers:</b> doc. RNDr. Marek Mentel, PhD., prof. RNDr. Katarína Mikušová, DrSc., prof. RNDr. Anton Horváth, CSc., Mgr. Stanislav Huszár, PhD., doc. RNDr. Jana Korduláková, PhD., Ing. Martina Neboháčová, PhD., doc. Mgr. Peter Polčic, PhD., Mgr. Viktória Hodorová, PhD., RNDr. Ingrid Sveráková, PhD., doc. RNDr. Igor Zeman, PhD.					
<b>Last change:</b> 19.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> PriF.KDPP/N-mUXX-126/22	<b>Course title:</b> Philosophical Aspects of Education
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning	
<b>Type, volume, methods and workload of the student - additional information</b> Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 3.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Course requirements: During the teaching period of the semester: participation, activity, elaboration of assignments or final test. The test or assignments will be from the material covered during the semester. The student can get a maximum of 50 points, the minimum for successful completion of the course is 30 points. Classification scale: A: 100-92%, B: 91-84%; C: 83-76%, D: 75-68%, E: 67-60% FX: 0-59% Violation of academic ethics results in the cancellation of the obtained points in the relevant evaluation item. The teacher accepts max. 2 absences with proven documents. Interim / final evaluation weight: 100% in the examination period	
<b>Learning outcomes:</b> Learning outcomes: Upon successful completion of the course, students will know: A: in the field of knowledge: <ul style="list-style-type: none"> <li>• What is philosophy, its basic structure, goals and mission</li> <li>• What issues do philosophy of education and philosophical anthropology address, what are their goals and mission?</li> <li>• What is the significance of philosophy for solving problems of theory and practice of education</li> </ul> B: in the field of skills: <ul style="list-style-type: none"> <li>• Orientation in basic philosophical problems, disciplines and concepts</li> <li>• Ask questions and formulate answers regarding philosophical questions of education</li> <li>• Think independently about philosophical issues of education</li> </ul>	
<b>Class syllabus:</b> Class syllabus:	

1. The concept and structure of philosophy
2. Philosophical and pedagogical anthropology
3. Philosophical anthropology and axiology
4. Philosophy of education I.
5. Philosophy of education II.
6. Philosophy of culture and values
7. Ethical issues and perspectives of education

**Recommended literature:**

ANZENBACHER, Arno: Úvod do filosofie. Praha: SPN, 1991. ISBN: 80-04-26038-1.  
 BREZINKA, Wolfgang: Filozofické základy výchovy. Praha: Zvon, 1996. ISBN: 80-7113-169-5  
 CORETH, Emerich: Co je člověk? Základy filozofické antropologie. Praha: Zvon, 1994. ISBN: 80-7113-098-2  
 POPKIN, Richard. H., STROLL, Avrum: Filozofie pro každého. Praha: Ivo Železný, 2000. ISBN: 80-240-0257-4  
 PELCOVÁ, Naděžda: Filozofická a pedagogická antropologie. Praha: Karolinum, 2000. ISBN: 80-246-0076-5  
 Complementary literature and literature that is not in AK UK will be presented at the beginning and during the semester. Teachers' presentations and non-AK UK literature are available at MS Teams.

**Languages necessary to complete the course:**

Languages necessary to complete the course:  
 Slovak

**Notes:**

**Past grade distribution**

Total number of evaluated students: 172

A	B	C	D	E	FX
67,44	17,44	11,05	1,16	1,74	1,16

**Lecturers:** Mgr. Štefan Zolcer, PhD.

**Last change:** 02.03.2023

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mXTV-110/22		<b>Course title:</b> Physical Education 10			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 260					
A	B	C	D	E	FX
98,46	0,38	0,38	0,0	0,0	0,77
<b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD.					
<b>Last change:</b> 01.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mXTV-107/22		<b>Course title:</b> Physical Education 7			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 528					
A	B	C	D	E	FX
96,97	0,57	0,38	0,38	0,19	1,52
<b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. Genc Berisha, PhD., Mgr. PaedDr. Simona Rášiová					
<b>Last change:</b> 01.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mXTV-108/22		<b>Course title:</b> Physical Education 8			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 405					
A	B	C	D	E	FX
96,79	0,25	0,0	0,0	0,0	2,96
<b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD.					
<b>Last change:</b> 01.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mXTV-109/22		<b>Course title:</b> Physical Education 9			
<b>Educational activities:</b> <b>Type of activities:</b> practicals <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 490					
A	B	C	D	E	FX
97,55	0,2	0,41	0,0	0,0	1,84
<b>Lecturers:</b> Mgr. Kristína Vanýsková, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD.					
<b>Last change:</b> 01.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KŽFE/N-mBFE-101/22			<b>Course title:</b> Physiology of Animal Behaviour			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 55						
A	ABS	B	C	D	E	FX
54,55	0,0	14,55	21,82	9,09	0,0	0,0
<b>Lecturers:</b> RNDr. Ľubor Košťál, CSc.						
<b>Last change:</b> 20.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KBo/N-XXXX-003/21		<b>Course title:</b> Plants known and unknown			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1434					
A	B	C	D	E	FX
68,83	19,46	6,07	0,0	1,39	4,25
<b>Lecturers:</b> Ing. Mgr. Eva Zahradníková, PhD., doc. Mgr. Katarína Mišíková, PhD., doc. RNDr. Jana Ščevková, PhD.					
<b>Last change:</b> 30.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KRGRR/N- XXXX-002/21		<b>Course title:</b> Practical Geography for Natural Scientists			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 122					
A	B	C	D	E	FX
89,34	0,0	0,82	0,0	0,82	9,02
<b>Lecturers:</b> Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Gurňák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., doc. Mgr. Martin Šveda, PhD., prof. RNDr. Ladislav Tolmáči, PhD., RNDr. Mgr. Anna Tolmáči, PhD., Mgr. Gabriel Zubriczký, PhD.					
<b>Last change:</b> 15.05.2021					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KIHG/N-XXXX-012/21		<b>Course title:</b> Practical Geology for Everyone			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 548					
A	B	C	D	E	FX
76,64	10,95	4,2	1,46	0,55	6,2
<b>Lecturers:</b> doc. RNDr. Renáta Fľaková, PhD., doc. RNDr. Renáta Adamcová, PhD., prof. RNDr. Roman Pašteka, PhD., prof. RNDr. Martin Bednarik, PhD., doc. RNDr. Dávid Krčmář, PhD., doc. RNDr. Andrej Mojzeš, PhD., RNDr. Ivana Ondrejková, PhD., doc. Mgr. Vladimír Greif, PhD., Mgr. Rudolf Tornyai, PhD., RNDr. Tatiana Durmeková, PhD., Mgr. Martin Zatlakovič, PhD., doc. RNDr. Milan Seman, CSc.					
<b>Last change:</b> 18.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-115/22		<b>Course title:</b> Prevention of Drug Addiction			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 103					
A	B	C	D	E	FX
99,03	0,97	0,0	0,0	0,0	0,0
<b>Lecturers:</b> RNDr. Soňa Nagyová, PhD.					
<b>Last change:</b> 20.06.2023					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KŽFE/N-mUBI-001/22			<b>Course title:</b> Principles of Behavioural Processes			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Lucia Kršková, PhD.						
<b>Last change:</b> 05.10.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KGe/N-mBGE-124/22			<b>Course title:</b> Problem Tasks in Genetics for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week:</b> 1 <b>per level/semester:</b> 13 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 1						
<b>Recommended semester:</b> 1.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 11						
A	ABS	B	C	D	E	FX
81,82	0,0	0,0	0,0	0,0	0,0	18,18
<b>Lecturers:</b> RNDr. Regina Sepšiová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Mária Peťková, PhD.						
<b>Last change:</b> 18.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFI.KDMFI/2-UMA-253/22	<b>Course title:</b> Problematic Parts of Secondary School Mathematics
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 3.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Antirequisites:</b> FMFI.KDMFI/2-UMA-253/19	
<b>Course requirements:</b> Continuous assessment: output in front of the board, seminar work Indicative assessment scale: A 94%, B 86%, C 79%, D 70%, E 60%, Fx <60% Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b>	
<b>Class syllabus:</b> The course will follow on from the compulsory course Didactics of Mathematics 2 and will deal in depth with specific adequate methods, forms and age-appropriate activities for teaching problematic units in mathematics at lower secondary school.	
<b>Recommended literature:</b> Dostupné učebnice Matematiky pre 5. – 9. ročník ZŠ a nižšie ročníky osemročných gymnázií / Ján Žabka, Pavol Černek / Ondrej Šedivý a kol. / Soňa Čerťková a kol. / Milan Hejný a kol. Nový Pomocník z matematiky (5. – 9. ročník) / Iveta Kohanová a kol. Dítě, škola a matematika: Konstruktivistické přístupy k vyučování / Milan Hejný, František Kuřina. Praha : Portál, 2001 Matematické čítanie / Jo Boalerová. Bratislava : Tatran, 2016 Moderní vyučování / Geoffrey Petty. Praha : Portál, 1993 Dvacet pět kapitol z didaktiky matematiky / Milan Hejný, Jarmila Novotná, Nad' a Stehlíková (Eds.) Praha, 2004 Own electronic materials published via the subject's website (eg course in LMS Moodle)	
<b>Languages necessary to complete the course:</b> slovak, english	
<b>Notes:</b>	

<b>Past grade distribution</b>					
Total number of evaluated students: 32					
A	B	C	D	E	FX
93,75	0,0	0,0	0,0	0,0	6,25
<b>Lecturers:</b> doc. PaedDr. Peter Vankúš, PhD., Mgr. Jana Havlíčková, PhD.					
<b>Last change:</b> 14.03.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KJCh/N-mUBI-001/22			<b>Course title:</b> Radiobiology for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 3						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> RNDr. Dominik Juračka						
<b>Last change:</b> 10.10.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KJCh/N-mUBI-002/22			<b>Course title:</b> Radioecology for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week:</b> 4 <b>per level/semester:</b> 52 <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 4						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 2						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Eva Viglašová, PhD.						
<b>Last change:</b> 10.10.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KEk/N-mUBI-034/22		<b>Course title:</b> Reproductive strategies of Animals for Teachers				
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 4.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Kristína Slovák Švolíková, PhD., Mgr. Soňa Svetlíková, PhD., doc. RNDr. Radoslav Beňuš, PhD., doc. Mgr. Peter Mikulíček, PhD., Mgr. Patrik Macko, PhD.						
<b>Last change:</b> 07.11.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-116/22		<b>Course title:</b> Rhetoric for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 52					
A	B	C	D	E	FX
44,23	23,08	23,08	9,62	0,0	0,0
<b>Lecturers:</b> Mgr. Štefan Zolcer, PhD.					
<b>Last change:</b> 14.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mXTV-112/22		<b>Course title:</b> River rafting			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week: per level/semester:</b> 3d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 1					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 58					
A	B	C	D	E	FX
82,76	0,0	0,0	0,0	0,0	17,24
<b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD.					
<b>Last change:</b> 01.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFI.KAG/2-UMA-115/23		<b>Course title:</b> Selected Parts of Algebra and Theoretical Arithmetic (1)			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Antirequisites:</b> FMFI.KAG/2-UMA-115/22					
<b>Course requirements:</b> Homework assignments Grading: A 90%, B 80%, C 70%, D 60%, E 50%, Fx < 50 % Scale of assessment (preliminary/final): Semester 100% (homework assignments)					
<b>Learning outcomes:</b> Students will gain familiarity with axiomatic definitions and applications of some algebraic structures, such as groups and fields. They will be able to prove basic results about sets operations and to verify whether some commonly used sets are countable or uncountable.					
<b>Class syllabus:</b> Selected topics from the following areas: Introduction to set theory. Operation with sets, functions. Cardinality, inequality between cardinal numbers, operations with cardinal numbers and their properties. Cantor's theorem. Countable and uncountable sets, applications. Basics of group theory. Symmetry groups, permutation groups, abstract notion of a group. Subgroups, cyclic groups. Cosets and Langrange's theorem. Homomorphisms, normal subgroups, quotient groups. Rings and fields. Modular arithmetic, polynomial rings. Construction of $\mathbb{Q}$ from $\mathbb{Z}$ , $\mathbb{C}$ from $\mathbb{R}$ , $\mathbb{Q}(\sqrt{p})$ from $\mathbb{Z}$ . Field extensions, finite fields, impossibility of some geometric constructions.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 165					
A	B	C	D	E	FX
75,76	10,91	8,48	2,42	2,42	0,0

**Lecturers:** RNDr. Martin Sleziak, PhD., prof. RNDr. Pavol Zlatoš, PhD.

**Last change:** 29.05.2023

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhD. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFLKAG/2-UMA-116/24		<b>Course title:</b> Selected Parts of Algebra and Theoretical Arithmetic (2)			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Homework assignments, final exam Grading: A 90%, B 80%, C 70%, D 60%, E 50%, Fx < 50 % Scale of assessment (preliminary/final): Semester 25% (homework assignments)/Final exam 75%					
<b>Learning outcomes:</b> Students will gain familiarity with examples of mathematical objects (symmetries, permutations, linear maps) which can be described by using an axiomatic approach. They will be able to use these definitions and deduce basic properties, analyze examples and identify various algebraic structures, such as groups and fields.					
<b>Class syllabus:</b> Selected topics from the following areas: Examples of permutation groups, braid groups, groups of symmetries and matrix groups. Description by generators, relations, consequences of non-commutativity. Abstract notion of a group. Subgroups, orders, cyclic groups. Cosets and Langrange's theorem. Homomorphisms, normal subgroups, quotient groups. Group actions, stabilizers, orbits. Symmetries of Platonic solids. Rings, fields and integral domains. Modular arithmetic, polynomial rings. Ideals, ring factorization, homomorphisms of rings. Field extensions. Rings with unique factorization, Gauss primes, etc.					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 104					
A	B	C	D	E	FX
64,42	14,42	13,46	3,85	3,85	0,0
<b>Lecturers:</b> Mgr. Martin Niepel, PhD., prof. RNDr. Pavol Zlatoš, PhD.					

**Last change:** 09.09.2024

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhD. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKAG/2-UMA-207/22	<b>Course title:</b> Selected Parts of Geometry (1)
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 3	
<b>Recommended semester:</b> 1.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: homework (50%). Final assessment: written exam (50%). At least half of the points from the continuous assessment must be admitted to the exam. Grading: A [100-90], B (90-80], C (80-70], D (70-60], E (60-50], Fx (50-0]. Scale of assessment (preliminary/final): 50/50	
<b>Learning outcomes:</b> Course graduate: 1. Knows basic affine and metric properties of conic sections in the Euclidean plane and quadratic surfaces in the Euclidean three-dimensional space, using mainly the analytical method. 2. Is aware of the crucial role of polarity in the theory of quadratic forms. Is informed about quadrics in the Euclidean space of any dimension. 3. Is acquainted with synthetic constructions of real regular conic sections and practical applications and interpretations of their properties.	
<b>Class syllabus:</b> 1. Conics in the Euclidean plane: definition and representation; asymptotic vectors; regular, singular point; the center of the conic; polarity; tangents; principal vectors; axes and vertices of the conics; affine and metric classification of conics; focal points and directrices. Applications. 2. Fundamentals of the theory of quadratic surfaces in the Euclidean three-dimensional space: regular linear and non-linear quadratic surfaces; singular quadratic surfaces; quadratic surfaces such as cylindrical surfaces over the conic sections; quadratic surfaces obtained by affine transformation of a conic. Intersection points of a line (plane) with a quadratic surface.	
<b>Recommended literature:</b> Geometria 1 : Pre študentov matematiky učiteľského štúdia na univerzitách a pedagogických fakultách / Milan Hejný, Valent Zaťko, Pavel Kršňák. Bratislava : Slovenské pedagogické nakladateľstvo, 1985 Analytická teória kuželosečiek a kvadrik / Josef Janyška, Anna Sekaninová. Brno : Masarykova univerzita, 2001	

Analytická geometria kužeľosečiek / Leo Boček. Bratislava : Slovenské pedagogické nakladateľstvo, 1978					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 169					
A	B	C	D	E	FX
23,08	18,34	28,99	13,61	8,28	7,69
<b>Lecturers:</b> Mgr. Marcel Makovník, PhD., doc. RNDr. Pavel Chalmovianský, PhD.					
<b>Last change:</b> 04.07.2023					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFLKAG/2-UMA-208/24		<b>Course title:</b> Selected Parts of Geometry (2)			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> The student can get 100% for written homeworks. Grading: A (100-91), B (90-81), C (80-71), D (70-61), E (60-51), Fx (50-0). Scale of assessment (preliminary/final): Preliminary assessment 100% for written homework assignments.					
<b>Learning outcomes:</b> By completing the course, the student will gain deeper knowledge about the properties of curves and surfaces. They will become familiar with their fundamental applications in practical disciplines such as modern design, engineering, construction, cartography, and art.					
<b>Class syllabus:</b> Gear wheels, milling, 3D printing, exceptional structures, maps, typography, painting, and sculpture from the perspective of objects, methods, and representations in differential geometry.					
<b>Recommended literature:</b> Helmut Pottmann, Andreas Asperl, Michael Hofer, Axel Kilian, Daril Bentley: Architectural Geometry, Bentley Institute Press, 2007 Lectures on classical differential geometry / Dirk J. Struik. Cambridge : Addison-Wesley Press, 1950 Elektronické učebné texty predmetu					
<b>Languages necessary to complete the course:</b> Slovak, English					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 135					
A	B	C	D	E	FX
23,7	18,52	25,19	14,81	9,63	8,15
<b>Lecturers:</b> doc. RNDr. Pavel Chalmovianský, PhD.					

**Last change:** 09.09.2024

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhD. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFLKMANM/2- UMA-111/22		<b>Course title:</b> Selected Parts of Mathematical Analysis (1)			
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> per week: 2 per level/semester: 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b> Continuous assessment: homework Final assessment: paper Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 40/60					
<b>Learning outcomes:</b> Students will master the basic analytical methods of investigation and modeling, when the action is affected by two variables. They will be able to estimate the shape of the graph of the functions of two variables.					
<b>Class syllabus:</b> Examples of quantities whose change depends on several variables. Graphs of some typical functions of two variables. Space $\mathbb{R}^2$ and $\mathbb{R}^3$ . Sequence convergence in $\mathbb{R}^2$ . Limit and continuity of a function of two variables. Partial derivation. Extremes of a function of two variables.					
<b>Recommended literature:</b> Diferenciální počet / Vojtech Jarník. Praha : Academia, 1984 Zbierka úloh z vyššej matematiky : 3.časť / Jozef Eliaš, Ján Horváth, Juraj Kajan. Bratislava : Slovenské vydavateľstvo technickej literatúry, 1967					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 184					
A	B	C	D	E	FX
51,63	16,85	15,22	10,33	5,98	0,0
<b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., Mgr. Jana Havlíčková, PhD.					

**Last change:** 14.03.2022

**Approved by:** prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhD. Mária Potočárová, PhD.

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFI.KMANM/2- UMA-112/24	<b>Course title:</b> Selected Parts of Mathematical Analysis (2)
<b>Educational activities:</b> <b>Type of activities:</b> course <b>Number of hours:</b> <b>per week:</b> 3 <b>per level/semester:</b> 39 <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 3	
<b>Recommended semester:</b> 2.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Antirequisites:</b> FMFI.KMANM/2-UMA-112/15	
<b>Course requirements:</b> Continuous assessment: homework Final evaluation: test Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 40/60	
<b>Learning outcomes:</b> Students will expand their knowledge of the function of two variables. Using the double integral, they will be able to calculate different areas, volumes, lengths of curves.	
<b>Class syllabus:</b> Areas of type $[x, y]$ and $[y, x]$ and a formula for integrating the function of two variables in these areas. Calculation of areas, volumes and lengths of curves.	
<b>Recommended literature:</b> Integrální počet / Vojtech Jarník. Praha : Československá akademie věd, 1976 Zbierka úloh z vyššej matematiky : 4.časť / Jozef Eliaš, Ján Horváth, Juraj Kajan, Robert Šulka. Bratislava : Alfa, 1979 Matematika III, Zbierka riešených úloh z integrálneho počtu funkcie viac premenných a krivkových integrálov / Dillingerová M., Feťková J., Híc P., Tóthová M. Alfa : Bratislava 1990	
<b>Languages necessary to complete the course:</b> slovak, english	
<b>Notes:</b> For successful completion, it is desirable to first complete the course Selected Parts of Mathematical Analysis.	

<b>Past grade distribution</b>					
Total number of evaluated students: 4					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., Mgr. Jana Havlíčková, PhD.					
<b>Last change:</b> 09.09.2024					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKDMFI/2-UMA-283/22	<b>Course title:</b> Selected Topics in Teaching of Mathematics
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 2.	
<b>Educational level:</b> II.	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Continuous assessment: homework (30 points) Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> After completing the course, the student knows the theories of various forms of teaching, some of which he has tried. He knows the root causes of the problems that students with a planar representation of space have - the question "Why don't students see it?". Can carry out various additional activities that develop students' mathematical competencies, e.g. competitions, games, fun afternoon.	
<b>Class syllabus:</b> Basic features and historical development of constructivist teaching. Piaget, Kohlberg, Vygotsky, Bachelard. Creation of teaching material. Group and cooperative teaching. Didactic game, its use and creation. Stereometry cubes with paper scissors and glue. Stereometry of a circle, folding "other" origami. Project teaching, project assignment (to whom, what, how, when, for what time). Problem teaching, design of own problem teaching. Outdoor school - from organization to implementation. Mathematical afternoon at school in nature, creation of a program "out". Mathematical competitions - various forms of competitions, difficulty assessment and task creation.	
<b>Recommended literature:</b> Teória vyučovania matematiky 2 / Milan Hejný ... [et al.]. Bratislava : Slovenské pedagogické nakladateľstvo, 1990 Učebné materiály pre vyučovanie matematiky / výber zostavili a preložili Monika Dillingerová, Lilla Koreňová, Peter Vankúš. Bratislava : Knižničné a edičné centrum FMFI UK, 2009 Geometrické úlohy z matematickej olympiády ZŠ / Monika Dillingerová. Bratislava : Metodicko-pedagogické centrum, 2005	
<b>Languages necessary to complete the course:</b> slovak, english	

<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 128					
A	B	C	D	E	FX
60,16	21,88	7,81	3,91	3,13	3,13
<b>Lecturers:</b> doc. PaedDr. Peter Vankúš, PhD., RNDr. Monika Dillingerová, PhD.					
<b>Last change:</b> 15.06.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKMANM+KAG/2- UMA-211/22	<b>Course title:</b> Seminar in History of Mathematics (1)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week:</b> 3 <b>per level/semester:</b> 39 <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 3.	
<b>Educational level:</b> II., N	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Ongoing evaluation: presentation of the prepared lesson (20 points), preparation of the written exam for other participants (10 points), active participation in the evaluation of presentations and written exams of other participants (30 points). Grading: A (56-60 points), B (51-55 points), C (46-50 points), D (41-45 points), E (36-40 points), Fx (0-35 points). Weight of the ongoing / final assessment: 100/0 Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> Student will gain an overview of the various periods of development of mathematics in antiquity, including examples of problems solved in individual basic works.	
<b>Class syllabus:</b> Mathematics of ancient Egypt and Babylonia. Pre-Euclidean mathematics in ancient Greece. Euclid's Elements.	
<b>Recommended literature:</b> Dějiny matematiky / Dirk J. Struik ; přeložili Jaroslav Folta, Luboš Nový. Praha : Orbis, 1963 Dějiny matematiky ve starověku / Arnošt Kolman. Praha : Academia, 1968 Dějiny matematiky ve středověku / Adolf P. Juškevič. Praha : Academia, 1977 Dejiny matematiky / Ján Čižmár. Bratislava : Perfekt, 2020 The history of mathematics / Roger L. Cooke. Hoboken, NJ : John Wiley, 2003 The history of mathematics / David M. Burton, New York : McGraw-Hill, 2011	
<b>Languages necessary to complete the course:</b> Slovak, English	
<b>Notes:</b>	

<b>Past grade distribution</b>					
Total number of evaluated students: 194					
A	B	C	D	E	FX
69,07	25,77	4,64	0,52	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc., prof. RNDr. Pavol Zlatoš, PhD., RNDr. Kristína Rostás, PhD.					
<b>Last change:</b> 24.06.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026	
<b>University:</b> Comenius University Bratislava	
<b>Faculty:</b> Faculty of Natural Sciences	
<b>Course ID:</b> FMFLKMANM/2- UMA-212/24	<b>Course title:</b> Seminar in History of Mathematics (2)
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 3 per level/semester: 39</b> <b>Form of the course:</b> on-site learning	
<b>Number of credits:</b> 2	
<b>Recommended semester:</b> 4.	
<b>Educational level:</b> II., N	
<b>Prerequisites:</b>	
<b>Course requirements:</b> Ongoing evaluation: presentation of the prepared lesson (20 points), preparation of the written exam for other participants (10 points), active participation in the evaluation of presentations and written exams of other participants (30 points). Grading: A (56-60 points), B (51-55 points), C (46-50 points), D (41-45 points), E (36-40 points), Fx (0-35 points). Weight of the ongoing / final assessment: 100/0 Scale of assessment (preliminary/final): 100/0	
<b>Learning outcomes:</b> The student will gain an overview of the various periods of mathematics development, including examples of problems solved in individual basic works.	
<b>Class syllabus:</b> Students will choose from the following topics: Ptolemy. Apollonius. Chinese and Arabic mathematics. Fibonacci. Alcuin's problems. Cardano's Ars Magna. Pascal's Arithmetic Triangle. Huygens's De Ratiociniis in Ludo Aleae. Bernoulli's Ars Conjectandi. Cavalieri's Geometry of indivisibles. Euler's Introductio and Letters to a German Princess. Venn's Symbolic Logic.	
<b>Recommended literature:</b> Matematika v proměnách věků III / Editori Jindřich Bečvář, Eduard Fuchs. Praha : Výzkumné centrum pro dějiny vědy, 2004 Dějiny matematiky / Dirk J. Struik ; přeložili Jaroslav Folta, Luboš Nový. Praha : Orbis, 1963 Dějiny matematiky ve starověku / Arnošt Kolman. Praha : Academia, 1968 Dějiny matematiky ve středověku / Adolf P. Juškevič. Praha : Academia, 1977 Dějiny matematiky / Ján Čižmár. Bratislava : Perfekt, 2020 The history of mathematics / Roger L. Cooke. Hoboken, NJ : John Wiley, 2003 The history of mathematics / David M. Burton, New York : McGraw-Hill, 2011	
<b>Languages necessary to complete the course:</b> Slovak, English	

<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 18					
A	B	C	D	E	FX
94,44	5,56	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Zbyněk Kubáček, CSc.					
<b>Last change:</b> 31.05.2024					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KGP/N-mUBI-003/22		<b>Course title:</b> Significant Geological Locations of Slovakia				
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> prof. Mgr. Natália Hlavatá Hudáčková, PhD., doc. RNDr. Daniel Pivko, PhD., doc. RNDr. Jozef Hók, CSc.						
<b>Last change:</b> 10.07.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-090/24		<b>Course title:</b> Slovak for Foreign Students			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 4 per level/semester: 52</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 2., 3., 4..					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 9					
A	B	C	D	E	FX
88,89	0,0	11,11	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 05.09.2024					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-130/22		<b>Course title:</b> Specific Learning Disorders in School Practice			
<b>Educational activities:</b> <b>Type of activities:</b> lecture / seminar <b>Number of hours:</b> <b>per week:</b> 1 / 1 <b>per level/semester:</b> 13 / 13 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 6					
A	B	C	D	E	FX
83,33	16,67	0,0	0,0	0,0	0,0
<b>Lecturers:</b> RNDr. Jana Ciceková, PhD.					
<b>Last change:</b> 22.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KAn/N-mUBI-037/22			<b>Course title:</b> Sports Anthropology for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 4.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> RNDr. Veronika Candráková Čerňanová, PhD.						
<b>Last change:</b> 15.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-132/24		<b>Course title:</b> Spracovanie a interpretácia štatistických dát v pedagogicko- psychologických výskumoch			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> per week: 2 per level/semester: 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Anna Drozdíková, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFLKDMFI/2-UMA-120/23		<b>Course title:</b> Students' Research Exhibition (1)			
<b>Educational activities:</b> <b>Type of activities:</b> training session <b>Number of hours:</b> <b>per week: per level/semester:</b> 3d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Mária Slavičková, PhD.					
<b>Last change:</b> 15.01.2024					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> FMFLKDMFI/2-UMA-220/23		<b>Course title:</b> Students' Research Exhibition (2)			
<b>Educational activities:</b> <b>Type of activities:</b> training session <b>Number of hours:</b> <b>per week: per level/semester:</b> 3d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 4					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. PaedDr. Mária Slavičková, PhD.					
<b>Last change:</b> 15.01.2024					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mUXX-210/25		<b>Course title:</b> Summer Physical-Education Training			
<b>Educational activities:</b> <b>Type of activities:</b> training session <b>Number of hours:</b> <b>per week: per level/semester:</b> 6d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Peter Nehila, Mgr. PaedDr. Simona Rášiová, Mgr. Igor Remák, PhD., Mgr. Denisa Strečanská, PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková					
<b>Last change:</b>					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KBo/N-mUBI-002/22			<b>Course title:</b> Survey of Vegetation of Slovakia for Teachers			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 2						
A	ABS	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. Mgr. Katarína Mišíková, PhD., RNDr. Silvia Kubalová, PhD.						
<b>Last change:</b> 19.12.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-103/22		<b>Course title:</b> Teaching Practice 2 (A)			
<b>Educational activities:</b> <b>Type of activities:</b> practice <b>Number of hours:</b> <b>per week: per level/semester:</b> 10d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 120					
A	B	C	D	E	FX
68,33	26,67	2,5	1,67	0,83	0,0
<b>Lecturers:</b> doc. RNDr. Štefan Karolčík, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. PaedDr. Zuzana Haláková, PhD., doc. PaedDr. Elena Čipková, PhD., PhD. Michael Fuchs, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., doc. PaedDr. Anna Drozdíková, PhD.					
<b>Last change:</b> 22.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhD. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUXX-104/22		<b>Course title:</b> Teaching Practice 2 (B)				
<b>Educational activities:</b> <b>Type of activities:</b> practice <b>Number of hours:</b> <b>per week: per level/semester:</b> 10d <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 158						
A	ABS	B	C	D	E	FX
65,19	0,0	23,42	8,23	1,27	1,27	0,63
<b>Lecturers:</b> prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. PaedDr. Zuzana Haláková, PhD., doc. PaedDr. Elena Čipková, PhD., PhDr. Michael Fuchs, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., doc. PaedDr. Anna Drozdíková, PhD., M. A. Linda Steyne, PhD., Mgr. Monika Šajánková, PhD.						
<b>Last change:</b> 22.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-113/22		<b>Course title:</b> Teaching Practice 3 (A)			
<b>Educational activities:</b> <b>Type of activities:</b> practice <b>Number of hours:</b> <b>per week: per level/semester:</b> 15d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 166					
A	B	C	D	E	FX
61,45	22,29	7,23	3,01	4,22	1,81
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. PaedDr. Anna Drozdíková, PhD., PhD. Michael Fuchs, PhD.					
<b>Last change:</b> 14.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhD. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KDPP/N-mUXX-114/22			<b>Course title:</b> Teaching Practice 3 (B)			
<b>Educational activities:</b> <b>Type of activities:</b> practice <b>Number of hours:</b> <b>per week: per level/semester:</b> 15d <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 3						
<b>Recommended semester:</b> 3.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 215						
A	ABS	B	C	D	E	FX
68,84	0,0	21,4	6,05	1,86	1,86	0,0
<b>Lecturers:</b> doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. PaedDr. Anna Drozdíková, PhD., RNDr. Hubert Žarnovičan, PhD., PhD. Michael Fuchs, PhD., Mgr. Lenka Šikulínková, PhD., M. A. Linda Steyne, PhD., Mgr. Monika Šajánková, PhD.						
<b>Last change:</b> 22.08.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-107/22		<b>Course title:</b> The Art of Presentation and Communication			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 10					
A	B	C	D	E	FX
90,0	0,0	0,0	0,0	0,0	10,0
<b>Lecturers:</b> RNDr. Peter Likavský, CSc., doc. RNDr. PaedDr. Zuzana Haláková, PhD., RNDr. Soňa Nagyová, PhD.					
<b>Last change:</b> 11.10.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KZ/N-XXXX-006/21		<b>Course title:</b> Theory of species			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 2., 4.					
<b>Educational level:</b> I., II., P					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 261					
A	B	C	D	E	FX
51,34	21,07	11,11	2,3	0,77	13,41
<b>Lecturers:</b> doc. Mgr. Peter Vďačný, PhD.					
<b>Last change:</b> 07.11.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-084/22		<b>Course title:</b> UNICert Deutsch 1			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 4					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 24.07.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-085/22		<b>Course title:</b> UNICert Deutsch 2			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 2					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> Mgr. Karin Rózsová Wolfová					
<b>Last change:</b> 24.07.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-082/22		<b>Course title:</b> UNICert English 1			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 155					
A	B	C	D	E	FX
92,26	2,58	1,29	1,94	0,0	1,94
<b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
<b>Last change:</b> 26.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KJ/N-mXCJ-083/22		<b>Course title:</b> UNICert English 2			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 3					
<b>Recommended semester:</b> 2.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 113					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
<b>Last change:</b> 26.09.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-133/24		<b>Course title:</b> Využitie školského dvora vo vyučovaní prírodovedných predmetov I.			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> per week: 2 per level/semester: 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 2., 3., 4..					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 7					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PhDr. Michael Fuchs, PhD., doc. RNDr. Štefan Karolčík, PhD., Ing. Jozef Kahan, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KDPP/N-mUXX-134/24		<b>Course title:</b> Využitie školského dvora vo vyučovaní prírodovedných predmetov II.			
<b>Educational activities:</b> <b>Type of activities:</b> seminar <b>Number of hours:</b> per week: 2 per level/semester: 26 <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 2., 3., 4..					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 0					
A	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> PhDr. Michael Fuchs, PhD., doc. RNDr. Štefan Karolčík, PhD., Ing. Jozef Kahan, PhD.					
<b>Last change:</b>					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026						
<b>University:</b> Comenius University Bratislava						
<b>Faculty:</b> Faculty of Natural Sciences						
<b>Course ID:</b> PriF.KIHG/N-mUBI-005/22			<b>Course title:</b> Water Cycle in Nature			
<b>Educational activities:</b> <b>Type of activities:</b> lecture <b>Number of hours:</b> <b>per week: 2 per level/semester: 26</b> <b>Form of the course:</b> on-site learning						
<b>Number of credits:</b> 2						
<b>Recommended semester:</b> 2.						
<b>Educational level:</b> II.						
<b>Prerequisites:</b>						
<b>Course requirements:</b>						
<b>Learning outcomes:</b>						
<b>Class syllabus:</b>						
<b>Recommended literature:</b>						
<b>Languages necessary to complete the course:</b>						
<b>Notes:</b>						
<b>Past grade distribution</b> Total number of evaluated students: 0						
A	ABS	B	C	D	E	FX
0,0	0,0	0,0	0,0	0,0	0,0	0,0
<b>Lecturers:</b> doc. RNDr. Dávid Krčmář, PhD., RNDr. Ivana Ondrejková, PhD., doc. RNDr. Renáta Fľaková, PhD.						
<b>Last change:</b> 18.09.2022						
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavíčková, PhD., prof. PhDr. Mária Potočárová, PhD.						

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mUXX-209/25		<b>Course title:</b> Winter Physical-Education Training			
<b>Educational activities:</b> <b>Type of activities:</b> training session <b>Number of hours:</b> <b>per week: per level/semester:</b> 6d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 2					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 31					
A	B	C	D	E	FX
80,65	0,0	0,0	0,0	0,0	19,35
<b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. PaedDr. Simona Rášiová, Mgr. Igor Remák, PhD., Mgr. Denisa Strečanská, PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková					
<b>Last change:</b>					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					

## COURSE DESCRIPTION

<b>Academic year:</b> 2025/2026					
<b>University:</b> Comenius University Bratislava					
<b>Faculty:</b> Faculty of Natural Sciences					
<b>Course ID:</b> PriF.KTV/N-mXTV-111/22		<b>Course title:</b> Ďumbier mountain hiking			
<b>Educational activities:</b> <b>Type of activities:</b> other <b>Number of hours:</b> <b>per week: per level/semester:</b> 3d <b>Form of the course:</b> on-site learning					
<b>Number of credits:</b> 1					
<b>Recommended semester:</b> 1., 3.					
<b>Educational level:</b> II.					
<b>Prerequisites:</b>					
<b>Course requirements:</b>					
<b>Learning outcomes:</b>					
<b>Class syllabus:</b>					
<b>Recommended literature:</b>					
<b>Languages necessary to complete the course:</b>					
<b>Notes:</b>					
<b>Past grade distribution</b> Total number of evaluated students: 138					
A	B	C	D	E	FX
84,06	0,0	0,0	0,0	0,0	15,94
<b>Lecturers:</b> Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková, Mgr. Denisa Strečanská, Mgr. PaedDr. Simona Rášiová, Mgr. Genc Berisha, PhD.					
<b>Last change:</b> 01.08.2022					
<b>Approved by:</b> prof. RNDr. Jozef Klembara, DrSc., doc. PaedDr. Mária Slavičková, PhD., prof. PhDr. Mária Potočárová, PhD.					