Register

1. Artificial intelligence	2
2. Cloud Computing	3
3. Compilers	
4. Computability Theory	5
5. Computer Graphics 2	6
6. Computer Networks 2	7
7. Effective Algorithms	8
8. Evolutionary Algorithms	
9. Foreign Excursion	.10
10. Formal Languages and Automata	11
11. Fuzzy Sets 1	12
12. Fuzzy Sets 2	13
13. Information Systems	.14
14. Information and Coding Theory	15
15. Introduction to Robotics and Computer Vision	16
16. Linear Optimization	.17
17. Managing Systems for HPC	.18
18. Modeling and Simulation	. 19
19. Multidimensional Analysis of Large Data	. 20
20. Neural Networks	.21
21. Out-of-School Activities in Didactics of Informatics 7	. 22
22. Out-of-School Activities in Didactics of Informatics 8	. 23
23. Parallel and Distributed Computing	. 24
24. Programming of Mobile Applications	25
25. Project for Master Thesis	. 26
26. Quantum Computing	27
27. Seminar for Master Thesis	. 28
28. State Exam. Diploma Thesis and its Defense, Colloquial Exam	. 29
29. Team Leading	
30. Virtual and Augmented Reality	.31

University: M	atej Bel Univ	ersity in Bansk	tá Bystrica					
Faculty: Facul	ty of Natural	Sciences						
Code: 2e-ain-111 Course name: Artificial intelligence								
• 1	ruction: Lect A (A - Compuls ed number o	ure / Seminar ory courses, B - Co f periods: 26s		courses, C - Electiv	/e courses)			
Number of cro	edits: 5							
Recommende	d semester/tr	imester: 1.						
Level: II.								
Prerequisites:								
Course compl	etion conditi	ons:						
Learning obje	ectives:							
Brief outline o	of the course:	:						
Recommende	d literature:							
Language of i	nstruction:							
Notes:student	time load:							
Course assess The final num		ed students: 4						
A	В	С	D	Е	FX(0)	FX(1)		
25.0	0.0	0.0	0.0	25.0	0.0	50.0		
Instructor: pro	of. Dr. Ing. M	iroslav Svítek,	Dr., Mgr. Ad	am Dudáš, Phl	D.	7		
Last changed:	24.01.2023							
Approved by:	prof. Dr. Ing	. Miroslav Svít	æk, Dr.					

University: N	latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-	222 Cour	se name: Clou	d Computing			
Course type Recommend	Truction: Lect B (A - Compuls	ure / Practical ory courses, B - Con f periods: 13s		courses, C - Electiv	ve courses)	
Number of cr	edits: 4					
Recommende	ed semester/ti	imester: 2.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course	;				
Recommende	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course assess The final num	sment ber of assesse	ed students: 2				
A	В	С	D	Е	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: de	oc. Ing. Jarmil	a Škrinárová, I	PhD., Mgr. Ad	am Dudáš, Pł	nD.	
Last changed	: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: Matej	Bel Univ	ersity in Bansk	tá Bystrica					
Faculty: Faculty of	of Natural	Sciences						
Code: 2e-ain-123 Course name: Compilers								
Type, extent and Form of instruc Course type: A (Recommended Method of study	tion: Lect A - Compuls	ure / Seminar ory courses, B - Co f periods: 13s		courses, C - Electiv	e courses)			
Number of credit	s: 5							
Recommended se	emester/tr	rimester: 2.						
Level: II.								
Prerequisites:								
Course completion	on conditi	ons:						
Learning objectiv	ves:							
Brief outline of th	ne course:							
Recommended lit	terature:							
Language of inst	ruction:							
Notes:student tin	ne load:							
Course assessmen The final number	-	ed students: 2						
A	В	С	D	Е	FX(0)	FX(1)		
50.0	0.0	0.0	50.0	0.0	0.0	0.0		
Instructor: doc. N	Agr. Ján K	arabáš, PhD.,	Mgr. Adam D	udáš, PhD.		7		
Last changed: 24	.01.2023							
Approved by: pro	of. Dr. Ing	. Miroslav Svít	tek, Dr.					

University: Ma	atej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facul	ty of Natural	Sciences				
Code: 2e-ain-1	32 Cour	se name: Com	putability The	eory		
• 1	A (A - Compuls	ure / Seminar ory courses, B - Co f periods: 13s		courses, C - Electiv	e courses)	
Number of cre	edits: 5					
Recommended	l semester/tr	rimester: 3.				
Level: II.						
Prerequisites:						
Course comple	etion conditi	ons:				
Learning obje	ctives:					
Brief outline o	f the course:	:				
Recommended	l literature:					
Language of in	nstruction:					
Notes:student	time load:					
Course assess The final numb		ed students: 2				
A	В	С	D	Е	FX(0)	FX(1)
50.0	0.0	0.0	0.0	50.0	0.0	0.0
Instructor: do	c. Mgr. Ján K	arabáš, PhD.,	Mgr. Adam D	udáš, PhD.		
Last changed:	24.01.2023					
Approved by:	prof. Dr. Ing	. Miroslav Svít	æk, Dr.			

University: M	latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-2	212 Cour	se name: Com	puter Graphic	s 2		
Course type:	ruction: Lect B (A - Compuls ed number o	ure / Practical ory courses, B - Cor f periods: 13s		courses, C - Electiv	e courses)	
Number of cr	edits: 4					
Recommende	d semester/tr	imester: 1.				
Level: II.						
Prerequisites:						
Course comp	letion conditi	ons:				
Learning obje	ectives:					
Brief outline of	of the course					
Recommende	d literature:					
Language of i	nstruction:					
Notes:student	time load:					
Course assess The final num		ed students: 4				
A	В	С	D	Е	FX(0)	FX(1)
50.0	0.0	0.0	0.0	0.0	25.0	25.0
Instructor: do	oc. Mgr. Ján K	arabáš, PhD.,	Mgr. Michal V	/agač, PhD.		
Last changed	: 24.01.2023					
Approved by:	prof. Dr. Ing	. Miroslav Svít	æk, Dr.			

University: N	Iatej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	ulty of Natural	Sciences				
Code: 2e-ain-	-242 Cour	se name: Com	puter Networl	xs 2		
Form of ins Course type Recommend	truction: Lect	ory courses, B - Co f periods: 26s		courses, C - Electiv	ve courses)	
Number of c	redits: 4					
Recommend	ed semester/ti	imester: 4.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course	:				
Recommend	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course asses The final nur	sment nber of assesse	ed students: 1				
А	В	С	D	Е	FX(0)	FX(1)
0.0	0.0	100.0	0.0	0.0	0.0	0.0
Instructor: d	oc. Ing. Ľudov	vít Trajteľ, PhD	., Mgr. Rudol	f Kubík	•	
Last changed	I: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	æk, Dr.			

University: M	atej Bel Univ	ersity in Bansk	tá Bystrica					
Faculty: Facul	ty of Natural	Sciences						
Code: 2e-ain-231 Course name: Effective Algorithms								
• 1	ruction: Lect B (A - Compuls ed number o	ure / Seminar ory courses, B - Cor f periods: 13s		courses, C - Electiv	e courses)			
Number of cro	edits: 4							
Recommende	d semester/tı	imester: 3.						
Level: II.								
Prerequisites:								
Course compl	etion conditi	ons:						
Learning obje	ectives:							
Brief outline o	of the course	:						
Recommende	d literature:							
Language of i	nstruction:							
Notes:student	time load:							
Course assess The final num		ed students: 2						
A	В	С	D	Е	FX(0)	FX(1)		
50.0	0.0	50.0	0.0	0.0	0.0	0.0		
Instructor: do	c. Ing. Jarmil	a Škrinárová, l	PhD., RNDr. N	Airoslav Melic	herčík, PhD.			
Last changed:	24.01.2023							
Approved by:	prof. Dr. Ing	. Miroslav Svít	æk, Dr.					

University: Ma	tej Bel Univ	ersity in Bansk	tá Bystrica					
Faculty: Facult	y of Natural	Sciences						
Code: 2e-ain-244 Course name: Evolutionary Algorithms								
Type, extent an Form of instru Course type: D Recommende Method of stu	uction: Lect B (A - Compulse d number of	ure / Seminar ory courses, B - Cor f periods: 26s		courses, C - Electiv	ve courses)			
Number of cre	dits: 4							
Recommended	semester/tr	imester: 4.						
Level: II.								
Prerequisites:								
Course comple	tion conditi	ons:						
Learning object	ctives:							
Brief outline of	f the course:							
Recommended	literature:							
Language of in	struction:							
Notes:student	time load:							
Course assessn The final numb		ed students: 1						
A	В	С	D	Е	FX(0)	FX(1)		
0.0	0.0	0.0	0.0	0.0	0.0	100.0		
Instructor: doc	. Ing. Jarmil	a Škrinárová, I	PhD., RNDr. A	Ižbeta Micha	líková, PhD.			
Last changed:	24.01.2023							
Approved by:]	prof. Dr. Ing.	Miroslav Svít	ek, Dr.					

University: Matej B	el University in Banská Byst	rica				
Faculty: Faculty of I	Natural Sciences					
Code: 2e-fpv-215	Code: 2e-fpv-215 Course name: Foreign Excursion					
Form of instructio Course type: C (A -	Compulsory courses, B - Compulsory mber of periods: 1d	elective courses, C - Elective courses)				
Number of credits:	3					
Recommended sem	ester/trimester: 2., 4.					
Level: II.						
Prerequisites:						
Course completion	conditions:					
Learning objectives	:					
Brief outline of the	course:					
Recommended liter	ature:					
Language of instruc	ction:					
Notes:student time	load:					
Course assessment The final number of	assessed students: 0					
	abs	n				
	0.0	0.0				
Instructor: PaedDr.	Mgr. Vladimír Siládi, PhD.					
Last changed: 12.02	2.2024					
Approved by: prof.	Dr. Ing. Miroslav Svítek, Dr.					

University: M	atej Bel Univ	ersity in Bansk	á Bystrica			
Faculty: Facul	lty of Natural	Sciences				
Code: 2e-ain-1	114 Cour	se name: Form	nal Languages	and Automat	a	
• 1	ruction: Lect A (A - Compuls ed number of	ure / Seminar ory courses, B - Cor f periods: 13s	· ·	courses, C - Electi	ve courses)	
Number of cro	edits: 4					
Recommende	d semester/tr	imester: 1.				
Level: II.						
Prerequisites:						
Course compl	etion conditi	ons:				
Learning obje	ectives:					
Brief outline o	of the course:					
Recommende	d literature:					
Language of i	nstruction:					
Notes:student	time load:					
Course assess The final num		ed students: 4				
A	В	С	D	Е	FX(0)	FX(1)
25.0	0.0	0.0	25.0	0.0	0.0	50.0
Instructor: do	c. Mgr. Ján K	arabáš, PhD.			•	
Last changed:	: 24.01.2023					
Approved by:	prof. Dr. Ing.	. Miroslav Svít	ek, Dr.			

University: N	/latej Bel Univ	ersity in Bansk	á Bystrica			
Faculty: Facu	ulty of Natural	Sciences				
Code: 2e-ain-	-113 Cour	se name: Fuzz	y Sets 1			
Form of ins Course type Recommend	· •	ure / Seminar ory courses, B - Cor f periods: 26s		courses, C - Electi	ve courses)	
Number of c	redits: 4					
Recommend	ed semester/ti	imester: 1.				
Level: II.						
Prerequisites						
Course comp	eletion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course					
Recommend	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course asses The final nur	sment nber of assesse	ed students: 4				
А	В	С	D	Е	FX(0)	FX(1)
25.0	0.0	25.0	25.0	0.0	0.0	25.0
Instructor: d	oc. Mgr. Ján K	arabáš, PhD., 1	RNDr. Alžbeta	a Michalíková	i, PhD.	
Last changed	I: 24.01.2023					
Approved by	r: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-	225 Cour	se name: Fuzz	y Sets 2			
Course type Recommend	Truction: Lect B (A - Compuls	ure / Seminar ory courses, B - Con f periods: 13s		courses, C - Electiv	ve courses)	
Number of cr	edits: 4					
Recommende	ed semester/tr	rimester: 2.				
Level: II.						
Prerequisites	:					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course:					
Recommende	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course assess The final nun	sment ber of assesse	ed students: 2				
А	В	С	D	Е	FX(0)	FX(1)
50.0	0.0	0.0	50.0	0.0	0.0	0.0
Instructor: R	NDr. Alžbeta	Michalíková, F	PhD.		•	
Last changed	: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-	224 Cour	se name: Infor	mation Syster	ns		
Course type Recommend	truction: Lect : B (A - Compuls	ure / Seminar ory courses, B - Con f periods: 13s		courses, C - Electiv	ve courses)	
Number of cr	redits: 4					
Recommende	ed semester/tr	imester: 2.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course:					
Recommende	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course assess The final nun	sment ber of assesse	ed students: 2				
A	В	С	D	Е	FX(0)	FX(1)
50.0	0.0	0.0	50.0	0.0	0.0	0.0
Instructor: pi	rof. Dr. Ing. M	iroslav Svítek,	Dr.	3	•	
Last changed	: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	Matej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Fac	ulty of Natural	Sciences				
Code: 2e-ain	-221 Cour	se name: Infor	mation and C	oding Theory		
Form of ins Course type Recomment		ure / Seminar ory courses, B - Cor f periods: 13s		courses, C - Electiv	ve courses)	
Number of c	redits: 4					
Recommend	ed semester/ti	imester: 2.				
Level: II.						
Prerequisites	5:					
Course comp	oletion conditi	ons:				
Learning ob	jectives:					
Brief outline	of the course	:				
Recommend	ed literature:					
Language of	instruction:					
Notes:studer	nt time load:					
Course asses The final nur	sment nber of assesse	ed students: 0				
А	В	С	D	Е	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: p	orof. Dr. Ing. M	liroslav Svítek,	Dr., doc. Mgi	. Ján Karabáš	, PhD.	
Last changed	d: 24.01.2023					
Approved by	r: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	Iatej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-	241 Cour	se name: Intro	duction to Ro	botics and Cor	mputer Vision	
Form of ins Course type Recommend	truction: Lect	ory courses, B - Cor f periods: 26s		courses, C - Electiv	ve courses)	
Number of c	redits: 4					
Recommend	ed semester/ti	imester: 4.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course					
Recommend	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course asses The final num	sment nber of assesse	ed students: 1				
А	В	С	D	Е	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: d	oc. Ing. Jarmil	a Škrinárová, I	PhD., Ing. Joz	ef Suchý, CSc	., Mgr. Michal	Vagač, PhD.
Last changed	1: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	Matej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Fac	ulty of Natural	Sciences				
Code: 2e-ain	-112 Cour	se name: Line	ar Optimizatio	on		
Form of ins Course type Recommen	etruction: Lec	sory courses, B - Co f periods: 26s		courses, C - Electiv	ve courses)	
Number of c	redits: 5					
Recommend	ed semester/t	rimester: 1.				
Level: II.						
Prerequisite	s:					
Course com	pletion condit	ions:				
Learning ob	jectives:					
Brief outline	of the course	•				
Recommend	ed literature:					
Language of	instruction:					
Notes:studer	nt time load:					
Course asses	sment mber of assess	ed students: 4				
А	В	C	D	Е	FX(0)	FX(1)
0.0	25.0	0.0	0.0	25.0	0.0	50.0
Instructor: d	loc. Mgr. Ján k	Karabáš, PhD.				
Last change	d: 24.01.2023					
Approved by	y: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	latej Bel Univ	ersity in Bansk	á Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-	243 Cour	se name: Man	aging System	s for HPC		
Form of ins Course type Recommend	truction: Lect	ory courses, B - Cor f periods: 13s		courses, C - Electiv	ve courses)	
Number of c	redits: 4					
Recommende	ed semester/ti	rimester: 4.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course	•				
Recommende	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course assess The final num	sment nber of assesse	ed students: 1				
А	В	С	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: d	oc. Ing. Jarmi	a Škrinárová, I	PhD.	•	•	
Last changed	l: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: M	atej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facul	ty of Natural	Sciences				
Code: 2e-ain-1	21 Cour	se name: Mod	eling and Sim	ulation		
• 1	ruction: Lect A (A - Compuls ed number of	ure / Seminar ory courses, B - Co f periods: 26s		courses, C - Electiv	ve courses)	
Number of cro	edits: 6					
Recommende	d semester/tr	rimester: 2.				
Level: II.						
Prerequisites:	,					
Course compl	etion conditi	ons:				
Learning obje	ctives:					
Brief outline o	of the course:					
Recommende	d literature:					
Language of i	nstruction:					
Notes:student	time load:					
Course assess The final num		ed students: 2				
A	В	С	D	Е	FX(0)	FX(1)
50.0	0.0	0.0	50.0	0.0	0.0	0.0
Instructor: pro	of. Dr. Ing. M	iroslav Svítek,	, Dr., doc. Ing.	Jarmila Škrin	árová, PhD.	
Last changed:	24.01.2023					
Approved by:	prof. Dr. Ing.	. Miroslav Svít	tek, Dr.			

University: N	latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	ulty of Natural	Sciences				
Code: 2e-ain-	211 Cour	se name: Mult	idimensional .	Analysis of L	arge Data	
Form of ins Course type Recommend	truction: Lect	ory courses, B - Cor f periods: 13s		courses, C - Electi	ve courses)	
Number of c	redits: 4					
Recommend	ed semester/ti	imester: 1.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course	:				
Recommend	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course asses The final num	sment nber of assesse	ed students: 4				
А	В	С	D	Е	FX(0)	FX(1)
25.0	0.0	25.0	0.0	0.0	0.0	50.0
Instructor: d	oc. Ing. Jarmil	a Škrinárová, I	PhD., Mgr. Ad	am Dudáš, Pł	nD.	
Last changed	l: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	/latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	ulty of Natural	Sciences				
Code: 2e-ain-	-122 Cour	se name: Neur	al Networks			
Form of ins Course type Recommend	· •	ure / Seminar ory courses, B - Co f periods: 26s		courses, C - Electi	ve courses)	
Number of c	redits: 5					
Recommend	ed semester/ti	rimester: 2.				
Level: II.						
Prerequisites	:					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course					
Recommend	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course asses The final nur	sment nber of assesse	ed students: 2				
А	В	С	D	Е	FX(0)	FX(1)
50.0	0.0	50.0	0.0	0.0	0.0	0.0
Instructor: d	oc. Ing. Jarmil	a Škrinárová, I	PhD., prof. Ing	g. Martin Klin	no, PhD.	
Last changed	I: 24.01.2023					
Approved by	r: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: Matej B	el University in Banská Byst	rica
Faculty: Faculty of I	Natural Sciences	
Code: 2e-fpv-320	Course name: Out-of-Sch	ool Activities in Didactics of Informatics 7
Form of instructio Course type: C (A -	Compulsory courses, B - Compulsory mber of periods: 39s	elective courses, C - Elective courses)
Number of credits:	4	
Recommended sem	ester/trimester: 1.	
Level: II.		
Prerequisites:		
Course completion	conditions:	
Learning objectives	:	
Brief outline of the	course:	
Recommended liter	ature:	
Language of instrue	ction:	
Notes:student time	load:	
Course assessment The final number of	assessed students: 2	
	abs	n
	0.0	100.0
Instructor: PaedDr.	Patrik Voštinár, PhD.	
Last changed: 13.09	9.2023	
Approved by: prof.	Dr. Ing. Miroslav Svítek, Dr.	

University: Matei Bel I	Jniversity in Banská Byst	rica
Faculty: Faculty of Nat		
Code: 2e-fpv-321	ourse name: Out-of-Scho	ool Activities in Didactics of Informatics 8
Type, extent and metho Form of instruction: I Course type: C (A - Con Recommended numb Method of study: com	Practical npulsory courses, B - Compulsory er of periods: 39s	elective courses, C - Elective courses)
Number of credits: 4		
Recommended semeste	er/trimester: 2.	
Level: II.		
Prerequisites:		
Course completion con	ditions:	
Learning objectives:		
Brief outline of the cou	irse:	
Recommended literatu	ire:	
Language of instructio	n:	
Notes:student time loa	d:	
Course assessment The final number of ass	sessed students: 0	
a	bs	n
0	.0	0.0
Instructor: PaedDr. Pat	rik Voštinár, PhD.	
Last changed: 13.09.20	023	
Approved by: prof. Dr.	Ing. Miroslav Svítek, Dr.	

University: N	/latej Bel Univ	ersity in Bansk	tá Bystrica			
Faculty: Facu	ulty of Natural	Sciences				
Code: 2e-ain-	-131 Cour	se name: Paral	llel and Distril	outed Comput	ing	
Form of ins Course type Recommend	truction: Lect	ory courses, B - Co f periods: 13s		courses, C - Electi	ve courses)	
Number of c	redits: 5					
Recommend	ed semester/ti	imester: 3.				
Level: II.						
Prerequisites						
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course	:				
Recommend	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course asses The final nur	sment nber of assesse	ed students: 2				
А	В	С	D	Е	FX(0)	FX(1)
50.0	50.0	0.0	0.0	0.0	0.0	0.0
Instructor: d	oc. Ing. Jarmil	a Škrinárová, I	PhD., RNDr. N	liroslav Meli	cherčík, PhD.	
Last changed	I: 24.01.2023					
Approved by	r: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			

University: N	latej Bel Univ	ersity in Bansk	tá Bystrica				
Faculty: Facu	lty of Natural	Sciences					
Code: 2e-ain-	Course name: Programming of Mobile Applications						
Course type Recommend	Truction: Sem B (A - Compulse	inar ory courses, B - Cor f periods: 39 s	mpulsory elective of	courses, C - Electiv	ve courses)		
Number of cr	edits: 4						
Recommende	ed semester/tr	imester: 1.					
Level: II.							
Prerequisites	:						
Course comp	letion conditi	ons:					
Learning obj	ectives:						
Brief outline	of the course:						
Recommende	ed literature:						
Language of	instruction:						
Notes:studen	t time load:						
Course assess The final num	sment ber of assesse	ed students: 2					
A	В	С	D	Е	FX(0)	FX(1)	
100.0	0.0	0.0	0.0	0.0	0.0	0.0	
Instructor:		<u>I</u>			<u>l</u>	1	
Last changed	: 24.01.2023						
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.				

University: M	latej Bel Univ	ersity in Bansk	tá Bystrica				
Faculty: Facu	lty of Natural	Sciences					
Code: 2e-ain-	: 2e-ain-133 Course name: Project for Master Thesis						
Course type: Recommend	ruction: Sem	inar ory courses, B - Co f periods: 26s	mpulsory elective	courses, C - Electi	ve courses)		
Number of cr	edits: 5						
Recommende	d semester/tr	rimester: 3.					
Level: II.							
Prerequisites:							
Course comp	letion conditi	ons:					
Learning obje	ectives:						
Brief outline of	of the course:						
Recommende	d literature:						
Language of i	nstruction:						
Notes:student	time load:						
Course assess The final num		ed students: 2					
A	В	С	D	Е	FX(0)	FX(1)	
50.0	50.0	0.0	0.0	0.0	0.0	0.0	
Instructor:		<u>I</u>			<u> </u>		
Last changed	: 24.01.2023						
Approved by:	prof. Dr. Ing	. Miroslav Svít	ek, Dr.				

University: Mat	tej Bel Univ	ersity in Bansk	á Bystrica			
Faculty: Faculty	y of Natural	Sciences				
Code: 2e-ain-23	-233 Course name: Quantum Computing					
Type, extent an Form of instru Course type: E Recommendec Method of stu	uction: Semi B (A - Compulso d number of	inar ory courses, B - Cor f periods: 39s	npulsory elective of	courses, C - Electiv	ve courses)	
Number of crea	dits: 4					
Recommended	semester/tr	imester: 3.				
Level: II.						
Prerequisites:						
Course complet	tion conditi	ons:				
Learning objec	tives:					
Brief outline of	the course:					
Recommended	literature:					
Language of ins	struction:					
Notes:student t	ime load:					
Course assessm The final number		d students: 0				
A	В	С	D	Е	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor:		<u>I</u>			J	1
Last changed: 2	24.01.2023					
Approved by: p	orof. Dr. Ing.	Miroslav Svít	ek, Dr.			

University: N	latej Bel Univ	ersity in Bansk	tá Bystrica				
Faculty: Facu	lty of Natural	Sciences					
Code: 2e-ain-	e: 2e-ain-149 Course name: Seminar for Master Thesis						
Form of inst Course type Recommend	Tuction: Sem: A (A - Compuls	ory courses, B - Co f periods: 26s	mpulsory elective	courses, C - Electi	ve courses)		
Number of cr	redits: 3						
Recommende	ed semester/ti	imester: 4.					
Level: II.							
Prerequisites	•						
Course comp	letion conditi	ons:					
Learning obj	ectives:						
Brief outline	of the course						
Recommende	ed literature:						
Language of	instruction:						
Notes:studen	t time load:						
Course assess The final num	sment ber of assesse	ed students: 1					
A	В	С	D	Е	FX(0)	FX(1)	
100.0	0.0	0.0	0.0	0.0	0.0	0.0	
Instructor:		L		1	1		
Last changed	: 24.01.2023						
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.				

University: Mate	ej Bel University	y in Banská Byst	rica					
Faculty: Faculty	of Natural Scie	nces						
Code: 2e-ain-19	9 Course na Exam	Course name: State Exam. Diploma Thesis and its Defense, Colloquial Exam						
• •	ction: (A - Compulsory co I number of per	urses, B - Compulsory	elective courses, C -]	Elective courses)				
Number of cred	its: 20							
Recommended s	semester/trimes	ster:						
Level: II.								
Prerequisites:								
Course complet	ion conditions:							
Learning object	tives:							
Brief outline of	the course:							
Recommended	literature:							
Language of ins	truction:							
Notes:student ti	me load:							
Course assessme The final numbe		idents: 1						
А	В	С	D	Е	FX(1)			
100.0	0.0	0.0	0.0	0.0	0.0			
Instructor:								
Last changed: 2	4.01.2023							
Approved by: p	rof. Dr. Ing. Mir	oslav Svítek, Dr.						

University: M	latej Bel Univ	ersity in Bansk	tá Bystrica				
Faculty: Facu	lty of Natural	Sciences					
Code: 2e-ain-2	223 Cour	Course name: Team Leading					
Course type: Recommend	ruction: Lect	ure / Seminar ory courses, B - Co f periods: 13s		courses, C - Electiv	ve courses)		
Number of cr	edits: 4						
Recommende	d semester/tr	rimester: 2.					
Level: II.							
Prerequisites:							
Course comp	letion conditi	ons:					
Learning obj	ectives:						
Brief outline	of the course:						
Recommende	d literature:						
Language of i	nstruction:						
Notes:student	time load:						
Course assess The final num		ed students: 1					
A	В	С	D	Е	FX(0)	FX(1)	
100.0	0.0	0.0	0.0	0.0	0.0	0.0	
Instructor: do	oc. Ing. Ľudov	ít Trajteľ, PhD	., PaedDr. Mg	r. Vladimír Si	ládi, PhD.	-	
Last changed	: 24.01.2023						
Approved by:	prof. Dr. Ing	. Miroslav Svít	tek, Dr.				

University: N	latej Bel Univ	ersity in Bansk	á Bystrica			
Faculty: Facu	lty of Natural	Sciences				
Code: 2e-ain-	2e-ain-232 Course name: Virtual and Augmented Reality					
Form of inst Course type Recommend	and method o truction: Prac : B (A - Compulse led number o tudy: combine	tical ory courses, B - Cor f periods: 26s	npulsory elective	courses, C - Electi	ve courses)	
Number of ci	redits: 4					
Recommende	ed semester/tr	imester: 3.				
Level: II.						
Prerequisites	•					
Course comp	letion conditi	ons:				
Learning obj	ectives:					
Brief outline	of the course:					
Recommende	ed literature:					
Language of	instruction:					
Notes:studen	t time load:					
Course assess The final nun	sment nber of assesse	ed students: 1				
А	В	С	D	Е	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: P	aedDr. Patrik	Voštinár, PhD.			1	
Last changed	l: 24.01.2023					
Approved by	: prof. Dr. Ing	. Miroslav Svít	ek, Dr.			