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Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-ap-55	Course name: Academic Writing
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined	
Number of credits: 3	
Recommended semester/trimester: 1., 3.	
Level: II.	
Prerequisites:	
Course completion conditions: a) independence, b) active and creative participation in the practical parts of the course, c) mastering the final written output. a) continuous assessment: Test: 0 – 40 points. b) final assessment: Final Test: 0 – 60 points Maximum number of points covering continual and final assessment: 100. Credits are assigned to the student who acquires a minimum of 65 points out of a possible 100.	
Learning objectives: Course aims Student <ol style="list-style-type: none"> 1. remembers differences between oral and written/print communication, 2. uses gained knowledge by creating written text, 3. is able to work on his own and conceive information, 4. applies theoretical knowledge by solving practical tasks, 5. evaluates and is able to justify chosen solution by reasoning, 6. creates complex written communication, which he is able to present to professional and lay recipient as well. 	
Brief outline of the course: Modern scientific and professional communication sphere. Successful communication as a professional skill and a social advantage. Oral and written/printed communication in the academic environment - similarities and differences, complementarity, intercultural features. Formal and content page of professional text. Genre typology of professional texts. Ethical aspects of academic communication, copyright. Choice of thesis topic: strategy, title and structure. Information sources, sources and documents - types, selection, critical analysis, inclusion in a professional text with an argumentative mission. References, citations and citation standards. Academic writing through the viewfinder of the composition - the relationship between intention, genre and architecture (diploma thesis). Canonical components of the academic text. Coherence and continuity of the text. Neuralgic places in academic writing.	

Recommended literature:

1. ČMEJRKOVÁ, S. – DANEŠ, F. – SVĚTLÁ, J.: Jak napsat odborný text. Praha : Leda, 1999.
2. GIBILISCO, S.: Statistika bez předchozích znalostí. Brno : Computer Press, 2009.
3. CHAJDIÁK, J.: Štatistika jednoducho. Bratislava : Statis, 2003.
4. KAHN, N. B.: Jak efektivně studovat a pracovat s informacemi. Praha : Portál, 2001.
5. KATUŠČÁK, D. a kol.: Ako písať záverečné a kvalifikačné práce. Martin : Enigma, 2007.
6. MEŠKO, D. et al.: Akademická příručka. 2. uprav. a dopln. vyd. Martin : Osveta, 2005.
7. PATRÁŠ, V.: Pohotovité čítanie a myšlienkové spracovanie textu. Banská Bystrica : UMB, 2011.
8. PUNCH, K.: Úspěšný návrh výzkumu. Praha : Portál, 2008.
9. SPOUSTA, V.: Vademékum autora odborné a vědecké práce. Brno : Akademické nakladatelství CERM, s. r. o., 2009.
10. STAROŇOVÁ, K.: Vedecké písanie. Ako písať akademické a vedecké texty. Martin : Osveta, 2011.
11. ŠESTÁK, Z.: Jak psát a přednášet o vědě. 1. vyd. Praha : Academia, 2000.
12. ŠIROKÝ, J. a kol.: Tvoříme a publikujeme odborné texty. Brno : Computer Press, 2011.

Language of instruction:

Slovak, Czech

Notes: student time load:

90 hrs., of that:

Combined study (L, C): 26 hrs.

Self-study: 39 hrs.

Preparation for written exams: 25 hrs.

Course assessment

The final number of assessed students: 151

A	B	C	D	E	FX(0)	FX(1)	n
40.4	12.58	6.62	23.18	15.23	1.32	0.66	0.0

Instructor: prof. PaedDr. Vladimír Patráš, CSc.

Last changed: 07.09.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-fpv-401	Course name: Advanced technologies to process Big Data
Type, extent and method of instruction: Form of instruction: Lecture / Practical / Seminar / Laboratory practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 / 0 / 0 Method of study: combined	
Number of credits: 3	
Recommended semester/trimester: 2.	
Level: II.	
Prerequisites:	
Course completion conditions:	
Learning objectives:	
Brief outline of the course:	
Recommended literature:	
Language of instruction:	
Notes:student time load:	
Course assessment The final number of assessed students: 1	
abs	n
100.0	0.0
Instructor: Mgr. Adam Dudáš, PhD., RNDr. Alžbeta Michalíková, PhD., doc. Ing. Jarmila Škrinárová, PhD.	
Last changed:	
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.	

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-211		Course name: Artificial Intelligence				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 26 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: prof. Dr. Ing. Miroslav Svítek, Dr., Mgr. Adam Dudáš, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-205		Course name: Chapters from elementary geometry				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2., 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 5						
A	B	C	D	E	FX(0)	FX(1)
0.0	20.0	40.0	20.0	20.0	0.0	0.0
Instructor: Mgr. Michaela Mihoková, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-210		Course name: Chapters from modern mathematics				
Type, extent and method of instruction: Form of instruction: Lecture Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 20s Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2., 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 16						
A	B	C	D	E	FX(0)	FX(1)
93.75	0.0	6.25	0.0	0.0	0.0	0.0
Instructor: Mgr. Michaela Mihoková, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-212		Course name: Computer Graphics 2				
Type, extent and method of instruction: Form of instruction: Lecture / Practical Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 26 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Ľudovít Trajtel', PhD., Mgr. Michal Vagač, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-103		Course name: Conics and quadrics				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 36						
A	B	C	D	E	FX(0)	FX(1)
30.56	22.22	19.44	16.67	0.0	2.78	8.33
Instructor: doc. PaedDr. Martin Papčo, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-202		Course name: Conics and quadrics - exercises				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1., 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 36						
A	B	C	D	E	FX(0)	FX(1)
33.33	19.44	19.44	16.67	2.78	2.78	5.56
Instructor: doc. PaedDr. Martin Papčo, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-104		Course name: Continuous Teaching Practice 1				
Type, extent and method of instruction: Form of instruction: Lecture / Practical / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 / 0 Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 16						
A	B	C	D	E	FX(0)	FX(1)
87.5	6.25	6.25	0.0	0.0	0.0	0.0
Instructor: Mgr. Vladimír Kobza, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-122		Course name: Continuous Teaching Practice 1				
Type, extent and method of instruction: Form of instruction: Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 6						
A	B	C	D	E	FX(0)	FX(1)
83.33	0.0	0.0	16.67	0.0	0.0	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-107		Course name: Continuous Teaching Practice 2				
Type, extent and method of instruction: Form of instruction: Lecture / Practical / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 / 0 Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 16						
A	B	C	D	E	FX(0)	FX(1)
75.0	12.5	12.5	0.0	0.0	0.0	0.0
Instructor: Mgr. Vladimír Kobza, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-133		Course name: Continuous Teaching Practice 2				
Type, extent and method of instruction: Form of instruction: Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
85.71	0.0	0.0	14.29	0.0	0.0	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-213		Course name: Creation and Printing of 3D Models				
Type, extent and method of instruction: Form of instruction: Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 1., 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
28.57	14.29	28.57	14.29	14.29	0.0	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-PTE-102		Course name: Cross-cutting themes in education					
Type, extent and method of instruction: Form of instruction: Lecture / Practical Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester: 3.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 117							
A	B	C	D	E	FX(0)	FX(1)	n
91.45	4.27	2.56	0.0	0.0	0.0	1.71	0.0
Instructor: doc. PaedDr. Lenka Rovňanová, PhD., doc. Mgr. Lívia Nemcová, PhD.							
Last changed: 06.12.2021							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-108		Course name: Didactic seminar 3				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 16						
A	B	C	D	E	FX(0)	FX(1)
62.5	37.5	0.0	0.0	0.0	0.0	0.0
Instructor: prof. RNDr. Pavol Hanzel, CSc.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-121		Course name: Didactics of Informatics 2				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
85.71	0.0	14.29	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Jarmila Škrinárová, PhD., Mgr. Michal Vagač, PhD., PaedDr. Patrik Voštinár, PhD., doc. Ing. Ľudovít Trajtel', PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-131		Course name: Didactics of Informatics 3				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
85.71	0.0	0.0	0.0	14.29	0.0	0.0
Instructor: doc. Ing. Jarmila Škrinárová, PhD., PaedDr. Patrik Voštinár, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-132		Course name: Digital Technologies in Education				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
85.71	0.0	14.29	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Jarmila Škrinárová, PhD., PaedDr. Patrik Voštinár, PhD., PaedDr. Mgr. Vladimír Siládi, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-DEP-513		Course name: Digital empowerment and participation	
Type, extent and method of instruction: Form of instruction: Practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 2			
Recommended semester/trimester:			
Level: II., III.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 0			
abs	n	p	v
0.0	0.0	0.0	0.0
Instructor: doc. PhDr. Alžbeta Brozmanová Gregorová, PhD., Mgr. Zuzana Heinzová, PhD.			
Last changed: 08.09.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-211		Course name: Diploma thesis seminar				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 3						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: Mgr. Michaela Bruteničová, doc. RNDr. Matúš Dirbák, PhD., prof. RNDr. Pavol Hanzel, CSc., prof. RNDr. Miroslav Haviar, CSc., doc. RNDr. Roman Hric, PhD., prof. RNDr. Vladimír Janiš, CSc., Mgr. Vladimír Kobza, PhD., Mgr. Lukáš Lafférs, PhD., Mgr. Michaela Mihoková, PhD., Mgr. Miroslava Poláková, prof. RNDr. Lubomír Snoha, DSc., DrSc., doc. RNDr. Vladimír Špitalský, PhD., Mgr. Miroslav Výboštok, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-206		Course name: Discrete mathematics 2				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2., 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. RNDr. Matúš Dirbák, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-PGS-401		Course name: Educational and school psychology					
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 13 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester: 1.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 404							
A	B	C	D	E	FX(0)	FX(1)	n
23.27	23.76	25.0	18.56	9.16	0.0	0.25	0.0
Instructor: doc. PaedDr. Lada Kaliská, PhD.							
Last changed: 19.04.2023							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-307		Course name: Electoral Geography	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 2., 4.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 186			
abs	n	p	v
97.85	2.15	0.0	0.0
Instructor:			
Last changed: 24.07.2015			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-111		Course name: Entertainment Programming				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 11						
A	B	C	D	E	FX(0)	FX(1)
54.55	36.36	0.0	0.0	0.0	9.09	0.0
Instructor: doc. Ing. Jarmila Škrinárová, PhD., RNDr. Miroslav Melicherčík, PhD., PaedDr. Patrik Voštinár, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: ESN1		Course name: Erasmus student network 1	
Type, extent and method of instruction: Form of instruction: Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: I., II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment			
The final number of assessed students: 11			
abs	n	p	v
100.0	0.0	0.0	0.0
Instructor: doc. Mgr. et Mgr. Ing. Miroslava Knapková, PhD.			
Last changed:			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-205		Course name: Field Course Abroad	
Type, extent and method of instruction: Form of instruction: Practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 1560 Method of study: combined			
Number of credits: 6			
Recommended semester/trimester: 2., 4.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 30			
abs	n	p	v
93.33	6.67	0.0	0.0
Instructor: doc. RNDr. Alfonz Gajdoš, PhD.			
Last changed: 03.02.2017			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-124		Course name: Finance in practice	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 16			
abs	n	p	v
100.0	0.0	0.0	0.0
Instructor: Ing. Janka Crmanová			
Last changed: 28.03.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-uVZSP	Course name: General Foundations of Private Law
Type, extent and method of instruction: Form of instruction: Lecture Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined	
Number of credits: 3	
Recommended semester/trimester: 2., 4.	
Level: II.	
Prerequisites:	
Course completion conditions: The prerequisite for passing the course is attendance at a minimum of 90% of the teaching and active participation of students in class. The evaluation is in accordance with the classification scale according to the Study Regulations of Matej Bel University. a) continuous assessment: Continuous evaluation is not performed. b) final assessment: The basis for the award of the final grade is the demonstration of mastery of the knowledge of the lecture material, which is demonstrated in an active dialogue with the teacher in the teaching of the subject.	
Learning objectives: The graduate will be able to distinguish private law from public law, will be oriented in the basic principles of private law, which in the European continental legal system traditionally includes civil law, commercial law, family law and international private law. The graduate will have knowledge of the basic institutions of private law (both substantive and procedural), their current legal regulation and use in practice.	
Brief outline of the course:	
Recommended literature: VOJČÍK, P. a kol.: Občianske právo hmotné 1. a 2., Plzeň: Aleš Čeněk, 2018. 764 s. ISBN 978-80-73807-19-1. CIRÁK, J. - GANDŽALOVÁ, D.: Základy rodinného práva, Úvodná časť - Manželské práva - Osvojenie, Banská Bystrica: UMB Belianum, 2019. ISBN 978-80-557-1548-3. MURÁNSKA, J. - GANDŽALOVÁ, D. - TAKÁČ, J.: Základy rodinného práva, Rodičia a deti - Výživné, Banská Bystrica: UMB Belianum, 2019. ISBN 978-80-557-1622-0. KUBÍČEK, P. – ŠKRINÁR, A. – NEVOLNÁ, Z. – KOLKUSOVÁ, R. – ĎURICA, M.: Obchodné právo. 3. vydanie. Plzeň: Aleš Čeněk, 2021, 420 s. ISBN 978-80-7380-847-1. Act No. 40/1964 Coll. Civil Code as amended. Act No. 36/2005 Coll. on the Family, as amended. Act No. 160/2015 Coll. on the Civil Procedure Code, as amended. Act No. 161/2015 Coll. on the Civil Procedure Code, as amended.	

Act No. 513/1990 Coll., Commercial Code, as amended.			
Language of instruction: Slovak language			
Notes: student time load: 90 hours combined study (L, C): 26 hours self-study: 64 hours			
Course assessment The final number of assessed students: 0			
abs	n	p	v
0.0	0.0	0.0	0.0
Instructor: prof. JUDr. Daniela Gandžalová, PhD., doc. JUDr. Marián Ďurana, PhD., doc. JUDr. Juraj Takáč, PhD., doc. JUDr. Katarína Zajác Ševcová, PhD., JUDr. Monika Némethová, PhD., Mgr. Miroslava Dolíhalová, PhD., Mgr. Jakub Dzimko, PhD., JUDr. Eva Cvengová, JUDr. Dominik Čipka, JUDr. Drahomíra Dibdiaková, JUDr. Ing. Miroslav Paller			
Last changed: 30.03.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-323		Course name: Geographical learning of Europe	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 411			
abs	n	p	v
96.35	3.65	0.0	0.0
Instructor:			
Last changed: 19.09.2018			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-fpv-114		Course name: Geopolitical development of the World					
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined							
Number of credits: 4							
Recommended semester/trimester: 1., 3.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 71							
A	B	C	D	E	FX(0)	FX(1)	n
53.52	12.68	15.49	5.63	4.23	7.04	1.41	0.0
Instructor:							
Last changed: 03.02.2017							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-208		Course name: History of mathematics				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 0 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1., 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 19						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. RNDr. Roman Hric, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-106		Course name: History of physics	
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 31			
abs	n	p	v
93.55	6.45	0.0	0.0
Instructor: doc. RNDr. Janka Raganová, PhD.			
Last changed: 10.02.2016			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-207		Course name: ICT in school practice				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1., 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 32						
A	B	C	D	E	FX(0)	FX(1)
75.0	21.88	0.0	3.13	0.0	0.0	0.0
Instructor: prof. RNDr. Pavol Hanzel, CSc.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-223		Course name: Information Systems				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 26 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 6						
A	B	C	D	E	FX(0)	FX(1)
0.0	66.67	16.67	16.67	0.0	0.0	0.0
Instructor: prof. Dr. Ing. Miroslav Svítek, Dr.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-fpv-209		Course name: Integrated science through experiments				
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor:						
Last changed: 12.02.2016						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-109		Course name: Intensive Teaching Practice				
Type, extent and method of instruction: Form of instruction: Practical Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 30s Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: Mgr. Vladimír Kobza, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-141		Course name: Intensive Teaching Practice				
Type, extent and method of instruction: Form of instruction: Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 30s Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 5						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-203		Course name: Interest mathematics				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1., 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 26						
A	B	C	D	E	FX(0)	FX(1)
57.69	7.69	0.0	26.92	7.69	0.0	0.0
Instructor: Mgr. Michaela Mihoková, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-242		Course name: Introduction to Robotics and Computer Vision				
Type, extent and method of instruction: Form of instruction: Lecture / Practical Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 13 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Jarmila Škrinárová, PhD., Mgr. Michal Vagač, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-biu-301		Course name: Introduction to zootherapy				
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 138						
A	B	C	D	E	FX(0)	FX(1)
76.81	14.49	2.9	1.45	0.0	4.35	0.0
Instructor:						
Last changed: 09.04.2019						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-LMT-123		Course name: Limity intimacy: o zodpovedných vzťahoch	
Type, extent and method of instruction: Form of instruction: Practical / Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 2., 4.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 0			
abs	n	p	v
0.0	0.0	0.0	0.0
Instructor: doc. Mgr. Lívia Nemcová, PhD., doc. PaedDr. Lenka Rovňanová, PhD.			
Last changed: 22.03.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-MRK-402		Course name: Mediation and resolution of interpersonal conflicts					
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester: 1.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 58							
A	B	C	D	E	FX(0)	FX(1)	n
48.28	27.59	13.79	6.9	1.72	1.72	0.0	0.0
Instructor: Mgr. Zuzana Heinzová, PhD., doc. Mgr. Lenka Ďuricová, PhD.							
Last changed: 03.02.2022							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-201		Course name: Methodology of mathematics and problem solving 1				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 18						
A	B	C	D	E	FX(0)	FX(1)
5.56	5.56	55.56	22.22	11.11	0.0	0.0
Instructor: prof. RNDr. Lubomír Snoha, DSc., DrSc.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-204		Course name: Methodology of mathematics and problem solving 2				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: prof. RNDr. Lubomír Snoha, DSc., DrSc.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-222		Course name: Modeling and Simulation				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 13 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 6						
A	B	C	D	E	FX(0)	FX(1)
0.0	16.67	0.0	66.67	16.67	0.0	0.0
Instructor: prof. Dr. Ing. Miroslav Svítek, Dr., doc. Ing. Jarmila Škrinárová, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-mr-54	Course name: Modern Rhetoric
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined	
Number of credits: 3	
Recommended semester/trimester: 2.	
Level: II.	
Prerequisites:	
Course completion conditions: a) continuous assessment: discussible approaches to the introduced case studies (0 – 25 points) suggestions for the synchronization of the parts in the rhetoric speech (0 – 25 points) b) final assessment: presentation of the chosen motif in the public performance with the speech analysis (0 – 50 points) Maximum number of points obtained is 100. Credits are assigned to the student who acquires minimum 65 points for fulfilling certain conditions.	
Learning objectives: The student will be able 1. To know the purpose and be aware of the meaning of the public communication, 2. To understand the interdisciplinary definition, relations and connections in the speech communication, 3. To identify the conceptual-compositional essence of the speech text, 4. To master the content-motivic peculiarities and expressional possibilities of the rhetoric communicate, 5. To respect the principles of preparation and rules of successful rhetoric, 6. To purposefully apply the acquired knowledge in a way to make the speech interesting, impressive, argumentative persuasive, understandable and cultivated.	
Brief outline of the course: Profile and purpose of the subject, literature and sources. (Self)image, stage fright. Communication means of the speaker - verbal and nonverbal part. Verbal part of the rhetoric communication - selective excurses. Accuracy and comprehensibility: the topic and its structure. Genres of speech. Nonverbal components of rhetoric communication - essence and meaning. Arguing, wrong arguments and communication risks. Detailed preparation of public speaking.	
Recommended literature: a) basic: ARISTOTELES: Rétorika. Martin : Thetis, 2009. DAŇKOVÁ, M.: Prokounkňte komunikační styly druhých. Praha : Grada Publishing, 2018. FEXEUS, H.: Nejlepší přesvědčovací techniky. Praha : Grada Publishing, 2017.	

GALLO, J.: Rétorika v teórii a praxi. Prešov : Dominanta, 2004.
 HIERHOLD, E.: Rétorika a prezentace. Praha : Grada, 2005.
 KRÁĽ, Á.: Pravidlá slovenskej výslovnosti. Martin : Matica slovenská, 2005.
 MISTRÍK, J.: Rétorika. 3. vyd. Bratislava : SPN, 1987.
 PATRÁŠ, V.: Pohotovité čítanie a myšlienkové spracovanie textu. Banská Bystrica : UMB, 2011.
 ŠKVARENINOVÁ, O.: Rečová komunikácia. 3., rozšír. vyd. Trnava : UCM, 2014.
 ŠPAČKOVÁ, A.: Moderní rétorika na univerzitě. Praha : UK, 2017.
 b) secondary:
 BECK/ová, G.: Zakázaná rétorika. 30 manipulativních technik. Praha : Grada, 2007.
 BRUNO/vá, T. – ADAMCZYK, G.: Řeč těla. Praha : Grada, 2005.
 BUČEK, J.: Rola moderátora v masmediálním dialógu. Zlín : VeRBuM, 2012.
 EKMAN, P. – FRIESEN, W.: Emoce pod maskou. Praha : Biz Books, 2015.
 KRAUS, J. a kol.: Člověk mluvící. Voznice : Leda, 2011.
 MARKOŠ, J.: Sila rozumu v bláznivej dobe. Bratislava : NPress, 2019.
 MYSLOVIČOVÁ, S. – VANČOVÁ, I. (eds.): Spytovali ste sa. Bratislava : JÚLŠ SAV, 2017.
 SLEZÁK, M.: Achillova pata a jiné patálie: dobrodružný výklad živých slov, rčení, úsloví a často používaných frází od A do Ž. Praha : Euromedia Group, 2019.
 STEHLÍKOVÁ, M.: Tajomstvo reči tela. Bratislava : BodyTalks, 2018.
 STANČEK, L. – ŠURÁB, M.: Rétorika dnes. Ružomberok : Rektorát KU, 2006.
 TERMANN, S.: Umění přesvědčit a vyjednat. Praha : Grada, 2009.
 URBANOVÁ, M. a kol.: Rétorika pro právníky. Plzeň : Aleš Čeněk, 2009.
 VYBÍRAL, Z.: Psychologie komunikace. Praha : Portál, 2005.

Language of instruction:

Notes:student time load:

90 hrs.

Sit-in-class study (L,S,C): 26 hrs.

Work with the technical literature and sources: 20 hrs.

E-learning, case studies: 10 hrs.

Preparation for the final assessment: 24 hrs.

Preparation for the public performance in front of the audience: 10 hrs.

Course assessment

The final number of assessed students: 75

A	B	C	D	E	FX(0)	FX(1)	n
50.67	18.67	16.0	5.33	4.0	5.33	0.0	0.0

Instructor: prof. PaedDr. Vladimír Patráš, CSc.

Last changed: 31.01.2024

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-fpv-105		Course name: Myths and urban legends in natural sciences				
Type, extent and method of instruction: Form of instruction: Lecture Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 160						
A	B	C	D	E	FX(0)	FX(1)
91.25	0.63	0.0	0.0	0.0	8.13	0.0
Instructor: doc. RNDr. Šimon Budzák, PhD.						
Last changed: 24.09.2019						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-221		Course name: Neural Networks				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 26 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 0						
A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Jarmila Škrinárová, PhD., prof. Ing. Martin Klimo, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-101		Course name: Observation Teaching Practice				
Type, extent and method of instruction: Form of instruction: Lecture / Practical / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 0 / 26 / 0 Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 36						
A	B	C	D	E	FX(0)	FX(1)
94.44	5.56	0.0	0.0	0.0	0.0	0.0
Instructor: Mgr. Vladimír Kobza, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-112		Course name: Observation Teaching Practice				
Type, extent and method of instruction: Form of instruction: Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: Method of study: combined						
Number of credits: 2						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 10						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-323		Course name: Out-of-School Activities in Didactics of Informatics 10	
Type, extent and method of instruction: Form of instruction: Practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39s Method of study: combined			
Number of credits: 4			
Recommended semester/trimester: 4.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 15			
abs	n	p	v
100.0	0.0	0.0	0.0
Instructor: PaedDr. Patrik Voštinár, PhD.			
Last changed: 23.09.2019			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-320		Course name: Out-of-School Activities in Didactics of Informatics 7	
Type, extent and method of instruction: Form of instruction: Practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39s Method of study: combined			
Number of credits: 4			
Recommended semester/trimester: 1.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 44			
abs	n	p	v
86.36	13.64	0.0	0.0
Instructor: PaedDr. Patrik Voštinár, PhD.			
Last changed: 23.09.2019			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-321		Course name: Out-of-School Activities in Didactics of Informatics 8	
Type, extent and method of instruction: Form of instruction: Practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39s Method of study: combined			
Number of credits: 4			
Recommended semester/trimester: 2.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 39			
abs	n	p	v
92.31	7.69	0.0	0.0
Instructor: PaedDr. Patrik Voštinár, PhD.			
Last changed: 23.09.2019			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-fpv-322		Course name: Out-of-School Activities in Didactics of Informatics 9	
Type, extent and method of instruction: Form of instruction: Practical Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39s Method of study: combined			
Number of credits: 4			
Recommended semester/trimester: 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 22			
abs	n	p	v
86.36	13.64	0.0	0.0
Instructor: PaedDr. Patrik Voštinár, PhD.			
Last changed: 23.09.2019			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-vstv-106		Course name: Physical Education 6	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 73			
abs	n	p	v
94.52	5.48	0.0	0.0
Instructor: Mgr. Jaroslav Popelka, PhD., PaedDr. Jaroslav Kompán, PhD., Mgr. Andrea Izáková, PhD., doc. PaedDr. Jiří Michal, PhD., PaedDr. Mgr. Lukáš Opáth, PhD., doc. PaedDr. Pavol Pivovarniček, PhD., Mgr. Kristián Bako, Mgr. Michal Hlávek, Mgr. Marián Škorik			
Last changed: 27.03.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-vstv-107		Course name: Physical Education 7	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 2., 4.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 0			
abs	n	p	v
0.0	0.0	0.0	0.0
Instructor: Mgr. Jaroslav Popelka, PhD., PaedDr. Jaroslav Kompán, PhD., Mgr. Andrea Izáková, PhD., doc. PaedDr. Jiří Michal, PhD., PaedDr. Mgr. Lukáš Opáth, PhD., doc. PaedDr. Pavol Pivovarniček, PhD., Mgr. Martin Bako, Mgr. Marián Škorik, Mgr. Michal Hlávek			
Last changed: 27.03.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-vstv-108		Course name: Physical Education 8	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 54			
abs	n	p	v
92.59	7.41	0.0	0.0
Instructor: PaedDr. Boris Beťák, PhD., Mgr. Jaroslav Popelka, PhD., PaedDr. Jaroslav Kompán, PhD., Mgr. Andrea Izáková, PhD., doc. PaedDr. Jiří Michal, PhD., PaedDr. Mgr. Lukáš Opáth, PhD., doc. PaedDr. Pavol Pivovarniček, PhD., Mgr. Michal Hlávek, Mgr. Kristián Bako, Mgr. Marián Škorik			
Last changed: 27.03.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-POZ-402		Course name: Positive psychology					
Type, extent and method of instruction: Form of instruction: Lecture Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester: 2.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 105							
A	B	C	D	E	FX(0)	FX(1)	n
27.62	27.62	22.86	10.48	6.67	2.86	1.9	0.0
Instructor: Mgr. Zuzana Heinzová, PhD.							
Last changed: 19.04.2023							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-231		Course name: Programming of Mobile Applications				
Type, extent and method of instruction: Form of instruction: Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester: 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 7						
A	B	C	D	E	FX(0)	FX(1)
14.29	14.29	0.0	0.0	0.0	71.43	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-PMG-513		Course name: Project management					
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester:							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 0							
A	B	C	D	E	FX(0)	FX(1)	n
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. PhDr. Alžbeta Brozmanová Gregorová, PhD.							
Last changed: 08.09.2023							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-MVE-221		Course name: Research methodology in education					
Type, extent and method of instruction: Form of instruction: Lecture Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester: 2.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 275							
A	B	C	D	E	FX(0)	FX(1)	n
34.91	27.27	20.36	10.91	5.82	0.73	0.0	0.0
Instructor: prof. PhDr. Miriam Niklová, PhD., prof. PhDr. Bronislava Kasáčová, CSc.							
Last changed: 02.12.2021							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-SPM-101		Course name: School pedagogy and school management					
Type, extent and method of instruction: Form of instruction: Lecture / Practical Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 26 Method of study: combined							
Number of credits: 4							
Recommended semester/trimester: 2.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 273							
A	B	C	D	E	FX(0)	FX(1)	n
19.05	36.63	29.67	10.62	2.56	1.1	0.37	0.0
Instructor: Mgr. Petra Fridrichová, PhD., doc. PaedDr. Lenka Rovňanová, PhD., Mgr. Karina Zošáková, PhD., prof. PaedDr. Dana Hanesová, PhD.							
Last changed: 08.02.2022							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-249		Course name: Seminar for Master Thesis				
Type, extent and method of instruction: Form of instruction: Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 3						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor:						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-106		Course name: Set theory and theoretical arithmetic				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 26 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 16						
A	B	C	D	E	FX(0)	FX(1)
6.25	18.75	37.5	12.5	25.0	0.0	0.0
Instructor: doc. RNDr. Matúš Dirbák, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-SPP-102		Course name: Social pathology and prevention					
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 / 13 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester: 1.							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 264							
A	B	C	D	E	FX(0)	FX(1)	n
37.12	27.27	14.77	9.47	7.95	1.89	1.52	0.0
Instructor: doc. PhDr. Mário Dulovics, PhD., prof. PhDr. Miriam Niklová, PhD.							
Last changed: 06.12.2021							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica					
Faculty: Faculty of Natural Sciences					
Code: 2d-uin-199		Course name: State Exam. Master Thesis with Defense			
Type, extent and method of instruction: Form of instruction: Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: Method of study: combined					
Number of credits: 20					
Recommended semester/trimester: 3., 4..					
Level: II.					
Prerequisites:					
Course completion conditions:					
Learning objectives:					
Brief outline of the course:					
Recommended literature:					
Language of instruction:					
Notes:student time load:					
Course assessment The final number of assessed students: 3					
A	B	C	D	E	FX(1)
33.33	33.33	33.33	0.0	0.0	0.0
Instructor:					
Last changed: 09.09.2022					
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.					

Course Description

University: Matej Bel University in Banská Bystrica					
Faculty: Faculty of Natural Sciences					
Code: 2d-ucm-110		Course name: State exam - Diploma thesis with defense			
Type, extent and method of instruction: Form of instruction: Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: Method of study: combined					
Number of credits: 20					
Recommended semester/trimester: 3., 4..					
Level: II.					
Prerequisites:					
Course completion conditions:					
Learning objectives:					
Brief outline of the course:					
Recommended literature:					
Language of instruction:					
Notes:student time load:					
Course assessment The final number of assessed students: 1					
A	B	C	D	E	FX(1)
0.0	0.0	100.0	0.0	0.0	0.0
Instructor:					
Last changed: 21.06.2022					
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.					

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-209		Course name: Statistics for teachers				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1., 3.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 14						
A	B	C	D	E	FX(0)	FX(1)
35.71	14.29	21.43	21.43	7.14	0.0	0.0
Instructor: Mgr. Michaela Mihoková, PhD.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-vdsl-02	Course name: The Great Works in World Literature II
Type, extent and method of instruction: Form of instruction: Lecture Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined	
Number of credits: 3	
Recommended semester/trimester: 2., 4.	
Level: II.	
Prerequisites:	
Course completion conditions: The student prepares an essay in which he/she takes a position on the issue discussed. The final assessment is passed/failed.	
Learning objectives: 1. The student will obtain an adequate overview of the origin and functioning of selected representative literary works from several civilizational and cultural areas from medieval literature to contemporary literature; will improve in professional terminology. 2. The student will acquire the specific interpretation skills necessary when working with a literary text anchored in a radically different cultural environment, thereby strengthening tolerance towards cultural differences and the will to respect the right to be different. 3. The student is able to conduct research on the assigned topic, can identify reliable sources, select relevant information from them and present it to others in a clear and useful form. 4. The student will acquire an organized sum of knowledge and a more widely applicable set of useful habits, methods, approaches, competences applicable in the interpretation of literary and non-literary texts or other cultural phenomena from various cultural periods.	
Brief outline of the course: Some of the greatest works of the European literature from the Middle Ages to the present day will be presented. It will be a selective selection of the presentation of literary worlds and the values they created. The Divine Comedy as the main work of the Middle Ages or the Renaissance? The Middle Ages as the "cradle" of European culture and education. Testaments enfant terrible. The spiciness of the Decameron and Laura's ephemerality. From Shakespeare to French classical drama. Playwrights and their (non)dramatic characters. Fairy tales that changed the world. Shock the bourgeois! Avant-gardes in world art. Literature as a place for women. On Freedom, Being and Apricot Cocktails: Existentialism in World Literature. Crazy for Life: The Beat Generation and Their Followers. Great works in small publishers.	
Recommended literature: 1. BURKE, Peter. Kulturní historie. Dokořán, 2011. 2. MACURA, V. a kol.: Slovník světových literárních děl. 3. PIŠŮT, M.: Dejiny svetovej literatúry (I., II.). 4. Malá encyklopédia spisovateľov sveta	

5. VANTUCH, A.: Dejiny francúzskej literatúry.
6. BAŠTÍN, Š.: Dejiny anglickej a americkej literatúry.
7. STROMŠÍK, J.: Od Grimmshausena k Dürenmattovi – Kapitoly z nemecké literatury.
8. CVRKAL, I.: Z dejín európskych literatúr 20. storočia.
9. CVRKAL, I.: Kapitoly z moderny, avantgardy a postmoderny.
10. NEZVAL, V.: Moderní básnické směry.
11. KASÁČ, Z.: Svetová literatúra 20. storočia.
12. Heslo Svetová literatúra, v: <http://hyperlexikon.sav.sk/sk/pojem/zobrazit///svetova-literatura>
13. <http://encyclopedia.thefreedictionary.com/Literature>

Language of instruction:

Slovak

Notes:student time load:

90 hours, of which 26 hours full-time, 64 hours self-study

Course assessment

The final number of assessed students: 0

abs	n	p	v
0.0	0.0	0.0	0.0

Instructor: PaedDr. Zuzana Bariaková, PhD., prof. PaedDr. Martin Golema, PhD., doc. Ivan Jančovič, PhD., Mgr. Martina Kubealaková, PhD., Mgr. Eva Pršová, PhD., doc. PaedDr. Jozef Tatár, PhD.

Last changed: 19.09.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-102		Course name: Theory of mathematics teaching 1				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 1.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 36						
A	B	C	D	E	FX(0)	FX(1)
66.67	25.0	8.33	0.0	0.0	0.0	0.0
Instructor: prof. RNDr. Pavol Hanzel, CSc.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-ucm-105		Course name: Theory of mathematics teaching 2				
Type, extent and method of instruction: Form of instruction: Lecture / Seminar Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 39 / 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 16						
A	B	C	D	E	FX(0)	FX(1)
68.75	25.0	6.25	0.0	0.0	0.0	0.0
Instructor: prof. RNDr. Pavol Hanzel, CSc.						
Last changed: 21.06.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-FS1-003		Course name: Univerzitný folklórny súbor 1	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 10			
abs	n	p	v
100.0	0.0	0.0	0.0
Instructor: Mgr. art. Martin Urban, PhD.			
Last changed: 04.04.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-UKO1-003		Course name: Univerzitný komorný orchester 1	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 1			
abs	n	p	v
100.0	0.0	0.0	0.0
Instructor: Mgr. Pavel Martinka, PhD.			
Last changed: 04.04.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica			
Faculty: Faculty of Natural Sciences			
Code: 2d-SPZ1-003		Course name: Univerzitný spevácky zbor 1	
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined			
Number of credits: 3			
Recommended semester/trimester: 1., 3.			
Level: II.			
Prerequisites:			
Course completion conditions:			
Learning objectives:			
Brief outline of the course:			
Recommended literature:			
Language of instruction:			
Notes:student time load:			
Course assessment The final number of assessed students: 2			
abs	n	p	v
100.0	0.0	0.0	0.0
Instructor: Mgr. Pavel Martinka, PhD.			
Last changed: 04.04.2023			
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.			

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-uin-232		Course name: Virtual and Augmented Reality				
Type, extent and method of instruction: Form of instruction: Practical Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined						
Number of credits: 4						
Recommended semester/trimester:						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 5						
A	B	C	D	E	FX(0)	FX(1)
80.0	0.0	0.0	0.0	0.0	20.0	0.0
Instructor: PaedDr. Patrik Voštinár, PhD.						
Last changed: 09.09.2022						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica							
Faculty: Faculty of Natural Sciences							
Code: 2d-VMG-513		Course name: Volunteer management					
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 26 Method of study: combined							
Number of credits: 3							
Recommended semester/trimester:							
Level: II.							
Prerequisites:							
Course completion conditions:							
Learning objectives:							
Brief outline of the course:							
Recommended literature:							
Language of instruction:							
Notes:student time load:							
Course assessment The final number of assessed students: 0							
A	B	C	D	E	FX(0)	FX(1)	n
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. PhDr. Alžbeta Brozmanová Gregorová, PhD.							
Last changed: 08.09.2023							
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.							

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-fpv-001		Course name: Výskumný projekt 3				
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 2.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 8						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Juraj Švajda, PhD., RNDr. Miroslav Melicherčík, PhD., prof. RNDr. Vladimír Janiš, CSc., doc. RNDr. Zuzana Melichová, PhD., doc. Ing. Ján Tomaškin, PhD., Mgr. Lenka Balážovičová, PhD., prof. Dr. Boris Tomášik, PhD., doc. PaedDr. Ján Stebila, PhD.						
Last changed:						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 2d-fpv-002		Course name: Výskumný projekt 4				
Type, extent and method of instruction: Form of instruction: Seminar Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) Recommended number of periods: 13 Method of study: combined						
Number of credits: 3						
Recommended semester/trimester: 4.						
Level: II.						
Prerequisites:						
Course completion conditions:						
Learning objectives:						
Brief outline of the course:						
Recommended literature:						
Language of instruction:						
Notes:student time load:						
Course assessment The final number of assessed students: 5						
A	B	C	D	E	FX(0)	FX(1)
100.0	0.0	0.0	0.0	0.0	0.0	0.0
Instructor: doc. Ing. Juraj Švajda, PhD., RNDr. Miroslav Melicherčík, PhD., prof. RNDr. Vladimír Janiš, CSc., doc. RNDr. Zuzana Melichová, PhD., Mgr. Lenka Balážovičová, PhD., doc. Ing. Ján Tomaškin, PhD., prof. Dr. Boris Tomášik, PhD., doc. PaedDr. Ján Stebila, PhD.						
Last changed:						
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr., prof. RNDr. Miroslav Haviar, CSc.						