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Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-EPT1-003	**Course name:** (E)motion – movement atanec in emotions 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., 5.	
Level: I.	
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: 101

abs	n	p	v
83.17	16.83	0.0	0.0

Instructor:	
Last changed: 23.02.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: U-1-AP	**Course name:** Academy of Business
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., 6.	
Level: I.	
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. Lucia Rýsová, PhD., Ing. Lenka Theodoulides, PhD., MBA	
Last changed: 14.02.2024	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-uch-204 | **Course name:** Analytical Chemistry Practicum for Teachers

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 0 / 0 / 0 / 52
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 6.

Level: I.

Prerequisites: KCH FPV/1d-uch-102/22

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

A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	100.0	0.0	0.0	0.0

Instructor: prof. Ing. Ľubomír Švorc, DrSc., RNDr. Barbora Benická, PhD., RNDr. Elena Kupcová, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-104	**Course name:** Analytical Chemistry for Teachers
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 13 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 6.	
Level: I.	
Prerequisites: KCH FPV/1d-uch-102/22	
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)
33.33	33.33	16.67	16.67	0.0	0.0	0.0

Instructor: prof. Ing. Ľubomír Švorc, DrSc.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fil-014	**Course name:** Analytical writing and reading
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., 4.	
Level: I.	
Prerequisites:	
Course completion conditions: The maximum number of points covering continual and final assessment is 100. Credits are assigned to students who acquire a minimum of 65 points out of a possible 100. **a) continuous assessment:** continuous specialized tasks (0 - 40 points) **b) final assessment:** final assessment: writing a final academic essay (0 - 60 points)	
Learning objectives: Students will be able: 1. To understand the specifics of an academic text with emphasis on the critical and analytical aspects. 2. To use basic strategies and techniques of critical reading and writing. 3. Knowledge of preparing, planning and writing academic texts. 4. To fulfil academic homework connected to academic reading and writing.	
Brief outline of the course: 1. Author and reader – the teacher as reader, the student as author. 2. Logic and argumentation in writing and reading – consistency, contradiction, contrary and contradictory statements, the expressive strength of propositions. 3. Essay structure – basic features of structure. 4. Writing – how to select an essay topic, techniques for composing, outlining, succesive elaboration, conceptual note taking, research and composing, polishing the text. 5. Tactics for analytic writing and reading – definitions, distinctions, analysis, dilemmas, counterexamples, Reductio ad Absurdum. 6. Some constraints on content – the pursuit of truth, the use of authority, the burden of proof.	
Recommended literature: ČMEJRKOVÁ, S. – DANEŠ, F. – SVĚTLÁ, J. (1999): Jak napsat odborný text. Praha: Leda. KATUŠČÁK, D. (2008): Ako písať záverečné a kvalifikačné práce. Nitra: Enigma. MARTINICH, A. P. (2005): Philosophical Writing: An Introduction. Oxford: Blackwell Publishing, 3rd Edition.	

STARŇOVÁ, K. (2001): Vedecké písanie: Ako písať akademické a vedecké texty. Martin: Osveta.
VYDRA, A. (2010): Akademické písanie. Trnava: Trnavská univerzita v Trnave.
ZOUHAR, M. (2008): Základy logiky pre spoločenskovedné a humanitné odbory. Bratislava: Veda.
SCHMIDT, M.-TALIGA, M.-ŠEDÍK, M: (2018): Ako správne argumentovať, písať a diskutovať. Banská Bystrica: Belianum. dostupné aj na internete: https://www.ff.umb.sk/mschmidt/online-ucebnica-argumentacie-a-kritickeho-myslenia.html
stránka o argumentácii a kritickom myslení: http://argumentacia.umb.sk/

Language of instruction:
Slovak

Notes:student time load:
90 hrs., consisting of:
combined studies (L,S,C): 26 hrs.
writing of continuous specialized tasks: 20 hrs.
library study: 15 hrs.
writing a final academic essay: 29 hrs.

Course assessment
The final number of assessed students: 159

A	B	C	D	E	FX(0)	FX(1)	n
5.03	7.55	27.04	21.38	29.56	6.92	2.52	0.0

Instructor: Mgr. Michal Šedík, PhD., doc. Mgr. Jaroslav Cepko, PhD., doc. Mgr. Miloš Taliga, PhD.

Last changed: 06.02.2024

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-VA1-003	**Course name:** Art studio I.
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: 3	
Recommended semester/trimester: 1., 3., 5.	
Level: I.	
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: 108

abs	n	p	v
68.52	31.48	0.0	0.0

Instructor: PaedDr. Renáta Pondelíková, PhD., Mgr. Lenka Lipárová, PhD.	
Last changed: 30.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-116	**Course name:** Bachelor thesis with defence
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: 10	
Recommended semester/trimester:	
Level: I.	
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(1)
0.0	0.0	0.0	0.0	0.0	0.0

Instructor:	
Last changed: 16.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-508	**Course name:** Basics of General and Inorganic Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 13 / 0 **Method of study:** combined	
Number of credits: 4	
Recommended semester/trimester: 3.	
Level: I.	
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: 93

A	B	C	D	E	FX(0)	FX(1)
6.45	11.83	17.2	20.43	26.88	3.23	13.98

Instructor: doc. RNDr. Zuzana Melichová, PhD.	
Last changed:	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ZEV-101	**Course name:** Basics of educational sciences
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: 4	
Recommended semester/trimester: 2.	
Level: I.	
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: 699

A	B	C	D	E	FX(0)	FX(1)	n
15.45	18.17	20.03	20.17	17.17	4.86	4.15	0.0

Instructor: prof. PaedDr. Dana Hanesová, PhD., PhDr. Patrícia Zólyomiová, PhD.

Last changed: 08.02.2024

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-che-619 | **Course name:** Biochemistry

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39 / 0 / 26 / 0
Method of study: combined

Number of credits: 5

Recommended semester/trimester: 5.

Level: I.

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: 59

A	B	C	D	E	FX(0)	FX(1)
22.03	11.86	18.64	28.81	15.25	0.0	3.39

Instructor: doc. RNDr. Marek Skoršepa, PhD.

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-117	**Course name:** Biodiversity - news in its protection
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., 5.	
Level: I.	
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

abs	n	p	v
71.43	28.57	0.0	0.0

Instructor:	
Last changed: 30.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uSDP	**Course name:** Brief History of 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., 6.	
Level: I.	
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 aim of the subject is to present the basic features of the development of the state and law from ancient times to the 20th century. It is intended to clarify to the student how law was born, what stages of development it went through in terms of form and content, with an emphasis on the development of public and private law (basically) in the countries of Europe and the USA. After completing the subject, the student should be able to understand the historical context, understand the authentic meaning and content of contemporary terms, clarify the meaning and content of legal institutes, critically evaluate historical legal institutes, the philosophical and value roots of law, and on their basis should be able to create his own opinion on current law and legal systems (not only) in the European area.	
Brief outline of the course: Basic characteristics of the state establishment in the Greek poleis. Greek ancient law. Ancient Rome – constitutional development in individual periods. Brief basics of Roman law - selected institutes. Medieval state and law; feudalism and the feudal system. Sources of medieval law in Europe. Reception of Roman law. Medieval public and private law. Specifics of the Anglo-Saxon legal system. Modern age - anti-feudal revolutions, constitutionalism, modern law codifications. The origin and development of the United States of America. US law. The French Revolution, the codification of law during the reign of Napoleon, the influence on the development of modern law.	
Recommended literature: ŠOŠKOVÁ, I.: Praktikum k štúdiu dejín práva štátov Európy a USA. 2. dopl. a preprac. vydanie. Banská Bystrica : Vydavateľstvo Univerzity Mateja Bela - Belianum, 2022. 132 s.	

ISBN 978-80-557-1968-9; SKALOŠ, M. – ŠOŠKOVÁ, I.: Vývoj inštitútov súkromného práva (vybrané problémy). 1. vyd. Banská Bystrica : Vydavateľstvo Univerzity Mateja Bela - Belianum, 2023. 224 s. ISBN 978-80-557-2081-4
ŠOŠKOVÁ, I. - LETKOVÁ, A.: Dejiny práva štátov Európy a USA. Banská Bystrica : Belianum - Vydavateľstvo Univerzity Mateja Bela v Banskej Bystrici, 2021. ISBN 978-80-557-1869-9.
Kol. autorů Právnické fakulty UK: Dějiny evropského kontinentálního práva. 3. vydání. Praha : Leges, 2010. 808 s. ISBN 978-80-87212-54-7. SELTENREICH, R. – KUKLÍK, J.: Dějiny angloamerického práva. 2.vydání. Praha : Leges, 2011. 872 s. ISBN 978-80-87212-87-5.

Language of instruction:
Slovak language

Notes:student time load:
90 hours
combinated study (L, C): 26 hours
self-study: 64 hours

Course assessment
The final number of assessed students: 2

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: doc. JUDr. Ivana Šošková, PhD.

Last changed: 05.02.2024

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-KTPM1-003	**Course name:** Ceramics and creations from natural materials 1
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: 3	
Recommended semester/trimester: 1., 3., 5.	
Level: I.	
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: 95

abs	n	p	v
85.26	14.74	0.0	0.0

Instructor: Mgr. Lenka Lipárová, PhD.	
Last changed: 04.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-602	**Course name:** Chemical Calculations 1
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 1.	
Level: I.	
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: 148

A	B	C	D	E	FX(0)	FX(1)
14.86	12.84	14.19	14.19	20.95	5.41	17.57

Instructor:

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-606	**Course name:** Chemical Calculations 2
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 2.	
Level: I.	
Prerequisites: KCH FPV/1d-che-602/22	
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: 85

A	B	C	D	E	FX(0)	FX(1)
44.71	16.47	12.94	20.0	4.71	1.18	0.0

Instructor:	
Last changed: 24.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-313/23	**Course name:** Chémia naša každodenná
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., 6.	
Level: I.	
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: RNDr. Barbora Benická, PhD., doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Marek Skoršepa, PhD.	
Last changed: 29.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-CCS-513	**Course name:** Civil society and non-profit organizations in democratic societies
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:	
Level: I.	
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(0)	FX(1)	n
0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0

Instructor: doc. PhDr. Alžbeta Brozmanová Gregorová, PhD.

Last changed: 08.09.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: D_1_PG_cuvp	**Course name:** Computer Graphics for Economists
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., 6.	
Level: I.	
Prerequisites:	
Course completion conditions: Final assessment is based on tasks, test, and final project. **a) continuous assessment:** tasks 0-40, test: 0-20 **b) final assessment:** project: 0-40	
Learning objectives: After successful completion of the course, the student can: 1. apply design principles to evaluate, modify or create business graphics like logo, poster, brochure, newsletter, social media graphics or other 2. compare various graphics file formats according to their practical usage in business 3. use various graphics application for creation & modification of both vector & bitmap graphics 4. create graphics that can be used in business practice	
Brief outline of the course: Basic design principles. Computer graphics applications. Graphics fileformats. Vector graphics editors: Inkscape, ... Object creation and manipulation, text editing, color models, layers and styles. Import and export between various graphic fileformats. Bitmap manipulation applications. Computer usage in creation of classic and electronic publications, on-line publishing.	
Recommended literature: 1. WILLIAMS, R. 2008. The Non-Designer's Design Book. Berkeley : Peachpit Press, 3rd edition, 2008. ISBN 978-0321534040. 2. Internet graphics standards World Wide Web: www.w3c.org. 3. Inkscape on-line tutorials and documentation: https://inkscape.org/en/learn/	
Language of instruction: slovak	
Notes:student time load: 90 hours combined study: S: 26 self-study: 64	

Course assessment The final number of assessed students: 0			
abs	n	p	v
0.0	0.0	0.0	0.0
Instructor: Ing. Peter Laco, PhD.			
Last changed: 24.03.2023			
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.			

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: D_1_KvOF_cuvp	**Course name:** Cryptocurrencies in Personal Finances
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., 5.	
Level: I.	
Prerequisites:	
Course completion conditions: a) continuous assessment – active participation 50 points; b) final assessment – presentation of current topics 50 points.	
Learning objectives: The student will: 1. be able to describe what cryptocurrencies and blockchain technology are, i.e. cryptographic functions (hash), the process of mining and issuing new currency, various consensus mechanisms including Proof-of-Work and Proof-of Stake used in the Bitcoin and Ethereum blockchains. 2. understand how cryptocurrencies work, distinguish the basic characteristics and key metrics of Bitcoin and altcoins such as Ethereum, Tether, XRP, BNB Cardano, Dogecoin, etc. 3. identifiy the advantages of cryptocurrencies, distinguishes between different types and features of centralized, decentralized and hybrid blockchains and appropriately assesses which one is suitable for which purposes. 4. evaluate how cryptocurrencies can be stored, searched and analyzed for real transactions in open blockchain networks. 5. examine how cryptocurrencies can be secured, identifies selected risks, including legal, regulatory and tax aspects 6. identify selected uses of cryptocurrencies in personal finances, such as means of payment, trading, investing or hedging. 7. understand more advanced uses of blockchain, such as smart contracts, digital assets, tokenization, CBDC, DeFi and others.	
Brief outline of the course: The course provides an introductory understanding of cryptocurrencies such as bitcoin or ethereum and blockchain technology in the context of personal finance. The course will: - examine the theory and principles of functioning of digital currencies; - provide practical examples of basic transactions and operations of blockchain or distributed ledger-based systems; - examine the current and future interaction of digital currencies with banking, financial, legal and regulatory systems;	

- will help students understand the disruptive potential of blockchain and how this ecosystem can be seen as an innovation;
- discuss the latest developments (such as tokenization, DeFi and CBDC).

The course will consist of the following topics:

1. Theoretical introduction to cryptocurrencies and their history. Decentralized consensus proof-of-work and proof-of-stake, cryptocurrency overview.
2. A practical introduction to cryptocurrencies. Hands-on exercises in using and creating transactions with digital currencies. Working with a digital wallet, crypto exchanges, crypto ATMs.
3. Examples of the use of cryptocurrencies. Domestic and foreign payments. Trading and investing. Hedging and prediction markets. Tokenization. DeFi. CBDC.
4. Taxes, regulations and risks of cryptocurrencies.

Recommended literature:

1. AMMOUS, S. 2018. The Bitcoin standard. Hoboken, New Jersey : John Wiley & Sons, 286 p. ISBN 978-1-119-47386-2.
2. AZHAR, A. 2021. Exponential. London : Cornerstone, 384 p. ISBN 978-1847942913.HOSP, J. 2018. Kryptomeny. Bratislava : Tatran, 172 s. ISBN 978-80-222-0945-8.
3. HARARI, Y., N. 2018. Money. London : Vintage Books, 133 p. ISBN 978-1-78487-402-5.
4. HAYEK, F. A. 1990. Denationalisation of Money The Argument Refined An Analysis of the Theory and Practice of Concurrent Currencies (3rd ed.). London, UK: The Institute of Economic Affairs.
5. CHOVANCULIAK, R. 2019. Pokrok bez povolenia. Bratislava : INESS, 288 s. ISBN 978-8-089-82007-8.
6. KRAVCHENKO, P., SKRIABIN, B., DUBININA, O. 2019. Blockchain And Decentralized Systems. Київ, Ukraine: Distibuted Lab.
7. NAKAMOTO, S. 2008. Bitcoin: A Peer-to-Peer Electronic Cash System. Retrieved from https://bitcoin.org/bitcoin.pdf
8. NARAYANAN, A., BONNEAU, J., FELTEN, E., MILLER, A., GOLDFELDER, S. 2016. Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction. Princeton, NJ: Princeton University Press.
9. SHRIER, D., L. 2020. Basic blockchain. London : Robinson, 182 p. ISBN 978-1-4721-4483-6.
10. TAPSCOTT, D., TAPSCOTT, A. 2018. Blockchain revolution. New York : Portfolio/Penguin, 358 p. ISBN 978-0-241-23786-1.

Language of instruction:

Slovak, English

Notes:student time load:

90 hours
Combined study: 26 h.
Self-study: 50 h.
Presentation preparation: 14 h.

Course assessment

The final number of assessed students: 49

abs	n	p	v
53.06	44.9	0.0	2.04

Instructor: Ing. Ivan Sedliačik, PhD., doc. Ing. Ján Huňady, PhD.

Last changed: 23.03.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-227	**Course name:** Cultural Regions 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: 3	
Recommended semester/trimester: 2., 4., 6.	
Level: I.	
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: 111

A	B	C	D	E	FX(0)	FX(1)	n
69.37	10.81	4.5	2.7	0.0	12.61	0.0	0.0

Instructor:
Last changed: 03.02.2017
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-POR-402 | **Course name:** Differences in psychological development

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: 4.

Level: I.

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: 85

A	B	C	D	E	FX(0)	FX(1)	n
56.47	24.71	3.53	8.24	5.88	0.0	1.18	0.0

Instructor: PaedDr. Jana Stehlíková, PhD.

Last changed: 03.02.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-105	**Course name:** Digital Technologies in Chemical Education
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 13 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 2	
Recommended semester/trimester: 6.	
Level: I.	
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)
90.91	9.09	0.0	0.0	0.0	0.0	0.0

Instructor: doc. RNDr. Marek Skoršepa, PhD.	
Last changed: 24.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-607	**Course name:** Digital Technologies in School

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: B (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: 4.

Level: I.

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(0)	FX(1)	n
0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0

Instructor: doc. RNDr. Marek Skoršepa, PhD.

Last changed: 12.04.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-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: I., P	
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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-DZP-513 | **Course name:** Dizajny záverečných prác v štruktúre IMRAD

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: 156
Method of study: combined

Number of credits: 3

Recommended semester/trimester:

Level: I.

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)	n
42.86	0.0	0.0	0.0	0.0	0.0	57.14	0.0

Instructor: doc. PhDr. Alžbeta Brozmanová Gregorová, PhD.

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1e-DZP-513	**Course name:** Dizajny záverečných prác v štruktúre IMRAD

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: 156
Method of study: combined

Number of credits: 3

Recommended semester/trimester:

Level: I.

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: 13

A	B	C	D	E	FX(0)	FX(1)	n
69.23	0.0	0.0	0.0	7.69	23.08	0.0	0.0

Instructor: doc. PhDr. Alžbeta Brozmanová Gregorová, PhD.

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-geu-306 | **Course name:** Dynamika kultúrnej krajiny

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: 6.

Level: I.

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)	n
40.0	20.0	0.0	0.0	0.0	20.0	20.0	0.0

Instructor:

Last changed: 28.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-107	**Course name:** Electricity nad magnetism
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:** 52 / 26 **Method of study:** combined	
Number of credits: 5	
Recommended semester/trimester: 3.	
Level: I.	
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

A	B	C	D	E	FX(0)	FX(1)
26.67	13.33	20.0	6.67	20.0	0.0	13.33

Instructor: prof. Dr. Boris Tomášik, PhD.	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-612	**Course name:** English for Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 3.	
Level: I.	
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

A	B	C	D	E	FX(0)	FX(1)
56.16	27.4	9.59	4.11	0.0	1.37	1.37

Instructor:

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: ESN1	**Course name:** Eramus 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., 5.	
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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: U-1-EUŠRMČ	**Course name:** European Union - structure, decision-making mechanisms, membership
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., 6.	
Level: I.	
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. Vladimír Müller, PhD., doc. PhDr. Lucia Rýsová, PhD.	
Last changed: 14.02.2024	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-fpv-211 | **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: 120s
Method of study: combined

Number of credits: 6

Recommended semester/trimester: 2., 4., 6.

Level: I.

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

A	B	C	D	E	FX(0)	FX(1)	n
53.85	0.0	0.0	0.0	0.0	46.15	0.0	0.0

Instructor: doc. RNDr. Alfonz Gajdoš, PhD.

Last changed: 03.02.2017

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-118	**Course name:** Field course in zoology
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: 3	
Recommended semester/trimester: 2., 4., 6.	
Level: I.	
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

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: prof. RNDr. Peter Bitušík, PhD.	
Last changed: 28.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-133	**Course name:** Financial literacy
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., 5.	
Level: I.	
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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-210	**Course name:** First Aid Basics
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., 6.	
Level: I.	
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: 114

abs	n	p	v
95.61	4.39	0.0	0.0

Instructor:	
Last changed: 22.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-601	**Course name:** General Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 39 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 5	
Recommended semester/trimester: 1.	
Level: I.	
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: 149

A	B	C	D	E	FX(0)	FX(1)
3.36	8.72	19.46	19.46	16.78	4.7	27.52

Instructor: doc. RNDr. Jarmila Kmeťová, PhD., MBA

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-VVP-401 | **Course name:** General and developmental psychology

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: 4

Recommended semester/trimester: 1.

Level: I.

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: 967

A	B	C	D	E	FX(0)	FX(1)	n
8.17	12.2	20.89	20.89	26.37	1.76	9.72	0.0

Instructor: doc. PaedDr. Lucia Pašková, PhD., doc. Mgr. Lenka Ďuricová, PhD.

Last changed: 03.02.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-VDI-101 | **Course name:** General didactics

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: 4

Recommended semester/trimester: 5.

Level: I.

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: 466

A	B	C	D	E	FX(0)	FX(1)	n
30.26	20.82	20.82	16.74	9.01	1.29	1.07	0.0

Instructor: doc. PaedDr. Lenka Rovňanová, PhD., Mgr. Petra Fridrichová, PhD., Mgr. Karina Zošáková, PhD.

Last changed: 06.12.2021

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-107	**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:** 26 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 1., 3., 5.	
Level: I.	
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: 1036

abs	n	p	v
93.34	6.66	0.0	0.0

Instructor:	
Last changed: 24.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-GSP-513	**Course name:** Global Social Problems
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:	
Level: I.	
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: prof. PaedDr. Peter Jusko, PhD.

Last changed: 08.09.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ajc-300	**Course name:** Global skills
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., 5.	
Level: I.	
Prerequisites:	
Course completion conditions: Active participation in seminars, self-study of recommended materials provided by instructor. **b) final assessment:** Active participation in seminars, studying relevant sources recommended by the teacher.	
Learning objectives: At the end of the Global Skills course, students will be able to: - explain the importance of global skills in different domains of our wellbeing (intelellectual, emotional, occupational, social, etc.), - analyse different sources aligned with different aspects of global skills, - use critical thinking and creativity when working on individual and group assignments, - give constructive feedback to their peers, - reflect on their peers´ opinions and self-reflect their own learning, - develop their autonomy in learning, - incorporate global skills activities in their future jobs.	
Brief outline of the course: Selected global skills: 1. Communication and collaboration – the ability to use verbal and non-verbal forms of communication and to work effectively with others in order to achieve shared goals; 2. Creativity and critical thinking – generating new ideas and solutions and analysing information to form a balanced judgement; 3. Intercultural competence and citizenship – the social and interpersonal skills necessary for managing cross-cultural encounters in an appropriate way, with respect and openness to others; 4. Emotional self-regulation and wellbeing – the ability to recognize and understand one´s emotions and the awareness of positive physical and mental health practices; 5. Digital literacies – individual technological skills necessary for working with digital communication channels.	
Recommended literature: SLATINSKÁ, A. 2022. Introduction To Selected Global Skills And Exploration Of Culture In EFL Context As Part Of Trainee Teachers´ Professional Development: Textbook for Trainee Teachers of English and other Courses, Banská Bystrica: Belianum. ISBN: 978-80-557-2018-0	

CAROL, R. 2022. How to Develop Global Skills. [2022-11-07]. Available at: https://www.macmillanenglish.com/se/training-events/events-webinars/event/how-to-develop-global-skills-with-pre-school-children
CHONG SUAN, CH. 2021. Successful International Communication. Pavilion. 176 p. ISBN 978-1-912755-13-4
HANESOVÁ, D. 2014. From Learning Facts to Learning to Think. Banská Bystrica: Pedagogická fakulta UMB. 95 s. ISBN 978-80-557-0655-9
MERCER, S. et al. 2019. Creating Empowered 21st Century Citizens. Available at: https://elt.oup.com/feature/global/expert/global-skills?cc=sk&se

Language of instruction:
English B2-C1

Notes:student time load:

Course assessment
The final number of assessed students: 26

abs	n	p	v
57.69	42.31	0.0	0.0

Instructor: Mgr. Anna Slatinská, PhD.

Last changed: 24.03.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-802	**Course name:** History of Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 0 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 3.	
Level: I.	
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: 56

A	B	C	D	E	FX(0)	FX(1)
30.36	23.21	12.5	17.86	5.36	3.57	7.14

Instructor: doc. RNDr. Marek Skoršepa, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-HAT1-003 | **Course name:** Hra a tanec 1

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: 1., 3., 5.

Level: I.

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

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: Mgr. art. Martin Urban, PhD.

Last changed: 30.03.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-IPG-221	**Course name:** Inclusive Pedagogy
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: 3.	
Level: I.	
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: 47

A	B	C	D	E	FX(0)	FX(1)	n
2.13	6.38	19.15	19.15	29.79	21.28	2.13	0.0

Instructor: doc. Mgr. Mariana Cabanová, PhD., PhDr. Patrícia Zólyomiová, PhD.

Last changed: 02.12.2021

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-fyz-507 | **Course name:** Informatics for teachers

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: B (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: 3.

Level: I.

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: 267

A	B	C	D	E	FX(0)	FX(1)	n
72.66	10.11	8.24	2.62	2.25	2.25	1.87	0.0

Instructor: doc. PaedDr. Miriam Spodniaková Pfefferová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-504	**Course name:** Information Security
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: 1., 3., 5.	
Level: I., P	
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
86.3	13.7	0.0	0.0

Instructor: doc. Ing. Ľudovít Trajteľ, PhD., PaedDr. Mgr. Vladimír Siládi, PhD., doc. Mgr. Ján Karabáš, PhD.	
Last changed: 13.09.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-604	**Course name:** Inorganic Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 39 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 5	
Recommended semester/trimester: 2.	
Level: I.	
Prerequisites: KCH FPV/1d-che-601/22	
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: 75

A	B	C	D	E	FX(0)	FX(1)
21.33	8.0	25.33	17.33	17.33	2.67	8.0

Instructor: doc. RNDr. Miroslav Medveď, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: D_1_DVaJO_cuvp	**Course name:** Intellectual and Industrial Property of an Organization
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., 6.	
Level: I.	
Prerequisites:	
Course completion conditions:	
Learning objectives: Student 1. is familiar with the concept of intellectual property and understands its meaning, 2. assesses the importance of protecting intellectual property in its various forms and identifies its economic benefits, 3. is aware with the system of intellectual property law, 4. is familiar with the basic terminology of copyright and industrial law, 5. acquire knowledge of international protection of intellectual property, 6. communicates with the Industrial Property Office of the Slovak Republic, 7. applies the acquired knowledge in practice.	
Brief outline of the course: Introduction to intellectual property law. Concept and subject matter of intellectual property law. The place of intellectual property law in the Slovak Republic. Copyright. Industrial rights to the results of creative intellectual activity (patent, utility model, design). Industrial rights to designations (trademark, right of designations of origin of products and geographical indications of products). International protection of intellectual property.	
Recommended literature: 1. Babiaková, B., Lalíková, L. 2011. Ochrana duševného vlastníctva. Banská Bystrica: Vydavateľstvo UMB, 2011. ISBN 9788055701790. 2. Adamová, Z. 2020. Právo duševného vlastníctva. Bratislava: TINCT, 2020. ISBN 9788097354404. 3. Kropaj, M., Bartalská, K., Holub, D. 2017. Základy práva duševného vlastníctva pre ekonómov. Bratislava: Wolters Kluwer, 2017. ISBN 9788081687068. 4. Telec, I. 2015. Právo duševního vlastnictví v informační společnosti. Praha: Leges, 2015. ISBN 9788075020611. 5. Kropaj, M. Právnofilozofické východiská práva duševného vlastníctva. 2014. Bratislava: Vydavateľstvo SAV VEDA. 6. Vojčík, P. a kol. 2014. Právo duševného vlastníctva. 2. upravené vydanie. Plzeň: Aleš Čeněk, s.r.o., 2014. ISBN 9788073805272.	

7. Lazíková, J. 2012. Základy práva duševného vlastníctva. Bratislava: Iura Edition spol. s.r.o.,2012. ISBN 9788080784768.
8. Švidroň, J., Adamová, Z., Návrat, M., Škreko, A. Právo duševného vlastníctva v informačnej spoločnosti a v systéme práva. Bratislava: Vydavateľstvo SAV VEDA. 20099. ISBN 9788022410335.
9. Časopis Duševné vlastníctvo, Úrad priemyselného vlastníctva, Banská Bystrica.

Language of instruction:
Slovak

Notes:student time load:
90 hours
direct teaching: 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: Ing. Barbora Mazúrová, PhD.

Last changed: 27.03.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-201	**Course name:** Interesting Experiments in Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 0 / 39 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 4.	
Level: I.	
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

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. Zuzana Melichová, PhD.	
Last changed: 24.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-102	**Course name:** Introduction to advanced mathematics 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:** 26 / 26 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 1.	
Level: I.	
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)
18.75	6.25	43.75	12.5	12.5	0.0	6.25

Instructor: prof. Dr. Boris Tomášik, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-105	**Course name:** Introduction to advanced mathematics 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 / 26 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 2.	
Level: I.	
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

A	B	C	D	E	FX(0)	FX(1)
26.67	26.67	20.0	0.0	20.0	6.67	0.0

Instructor: prof. Dr. Boris Tomášik, PhD.	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-204	**Course name:** Introduction to advanced mathematics 3
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 / 39 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 3.	
Level: I.	
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)
12.5	62.5	25.0	0.0	0.0	0.0	0.0

Instructor: prof. Dr. Boris Tomášik, PhD.	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-115	**Course name:** Introduction to didactics of physics
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 / 26 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 6.	
Level: I.	
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)
40.0	40.0	20.0	0.0	0.0	0.0	0.0

Instructor: doc. RNDr. Janka Raganová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-103	**Course name:** Introduction to physics measurements
Type, extent and method of instruction: **Form of instruction:** Laboratory practical **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: 1.	
Level: I.	
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)
18.75	43.75	37.5	0.0	0.0	0.0	0.0

Instructor: doc. RNDr. Janka Raganová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-210	**Course name:** Introduction to physics of high energies
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: 6.	
Level: I.	
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. Boris Tomášik, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-che-603 | **Course name:** Laboratory Techniques

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 0 / 0 / 0 / 52
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1.

Level: I.

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: 143

A	B	C	D	E	FX(0)	FX(1)
42.66	25.17	11.89	7.69	2.8	1.4	8.39

Instructor: doc. RNDr. Jarmila Kmeťová, PhD., MBA, RNDr. Barbora Benická, PhD., RNDr. Matej Šuránek

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uPPvK	**Course name:** Labour Law in a nutshell

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: 1., 3., 5.

Level: I.

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 have knowledge of the basic principles and functions of labor law, will be oriented in the basic provisions of the Labor Code, should be able to apply them to individual and collective labor relations in practical life.

Brief outline of the course:
1. Concept and subject of labour law. Basic principles of labour law.
2. Subjects of labour law, labour law subjectivity. Pre-contractual relations.
3. Employment contract (essential elements, other arrangements). Probationary period.
4. Types of employment relationship. Fixed-term employment. Methods of termination of employment.
5. Agreement on termination of employment (subjects, form, reasons). Termination of employment (subjects, form, reasons).
6. Immediate termination of employment (subjects, form, reasons). Severance pay, severance pay. Prohibition of competing activities during and after termination of employment.
7. Working time (scheduling, length). Rest periods.
8. Overtime work, on-call time. Types of leave (brief characteristics).
9. Wages (brief characteristics). Maternity leave, parental leave.
10. Obstacles to work on the part of the employee. Obstacles to work on the employer's side.
11. Assumptions of liability for damages. Employee's liability for damages.
12. Employer's liability for damages. Agreements for work performed outside the employment relationship (brief characteristics).

Recommended literature:
TKÁČ, V. - ŠVEC, M. - PETRÍKOVÁ, L. - POLÁČEK TUREKOVÁ, Z. - SLIVKA BEDLOVIČOVÁ, J. 2021. Pracovné právo. 1. vyd. Banská Bystrica: Belianum, 2021, 405 s. ISBN 978-80-557-1855-2.
PETRÍKOVÁ, L. 2021. Nové trendy v pracovnom práve. 1. vyd. Banská Bystrica: Belianum, 2021, 114 s. ISBN 978-80-557-1830-9. PODHOREC, I. - POLÁČEK TUREKOVÁ, Z. - PETRÍKOVÁ, L. 2016. Repetitórium pracovného práva. 1. vydanie. Bratislava: Wolters Kluwer s. r. o., 2016, 95 s. Current wording - no. 311/2001 Coll. Labor Code as amended.

Language of instruction:
Slovak language

Notes:student time load:
90 hours
combinated study (L, C): 26 hours
self-study: 64 hours

Course assessment
The final number of assessed students: 101

abs	n	p	v
83.17	16.83	0.0	0.0

Instructor: JUDr. Lucia Petríková, PhD.

Last changed: 22.05.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-his-901	**Course name:** Latinčina v akademickom prostredí

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: 1., 3., 5.

Level: I.

Prerequisites:

Course completion conditions:
Attending of contact lessons and completion of partial tasks as assigned.
a) continuous assessment:
Active participation and presentation of assigned tasks (searching for terms and phrases in Latin dictionaries and collections of Latin expressions, identifying Latin expressions in texts, adapting and applying assigned expressions in text or speech).
b) final assessment:
Only according to the continuous assessment

Learning objectives:
Students of the course will:
1. Use grammatical handbooks and dictionaries to verify the spelling and pronunciation of Latin expressions.
2. Be able correctly to pronounce (to read) Latin expressions.
3. Have knowledge of the historical context of Latin usage in academic and scientific environments.
4. Be able to adapt Latin expressions into the Slovak language.
5. Apply knowledge of the Latin language correctly in both oral and written professional communication.

Brief outline of the course:
1. Historical context of the origin and evolution of the Latin language, its speakers, and the culture associated with it.
2. Latin as a literary language in a cultural-historical overview.
3. Latin as a religious language in a cultural-historical overview.
4. Latin as a scientific language in a cultural-historical overview.
5. The Latin alphabet and pronunciation.
6. The structure of the Latin language, its relationship with other languages, and grammatical terminology.
7. Working with a dictionary.
8. Roman names, phrases, commonly used abbreviations.
9. Roman numerals, numbers, and the Roman calendar.
10. Latin inscriptions in the public space.
11. Latin terminology in university life (titles, roles, student anthem).

12. Latin in the contemporary world (media, film, online space).
13. Latin adapted into modern language.

Recommended literature:

1. STROH, W. R.: Latina je mrtvá, až žije latina. Praha : Oioymenh, 2016.
2. KEPARTOVÁ, J.: Římané a Evropa. Praha : Karolinum, 2005.
3. HRABOVSKÝ, J.: Latinsko-slovenský a slovensko-latinský slovník. Bratislava : SPN, 1998 a ďalšie vydania.
4. NAGY, I.: Náčrt latinskej gramatiky. Banská Bystrica : FiF UMB, 1998.
5. NAGY, I.: Učebný materiál pre vzdelávací kurz Latinčina. Banská Bystrica : UMB, 2011.

Language of instruction:
Slovak

Notes:student time load:
90 hrs consisting of: combined study (L,S): 26 hrs; self-study: 40 hrs; preparation of materials for contact lessons: 24 hrs

Course assessment
The final number of assessed students: 15

abs	n	p	v
46.67	53.33	0.0	0.0

Instructor: doc. Mgr. Imrich Nagy, PhD.

Last changed: 19.09.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-PVC-102 | **Course name:** Leisure time pedagogy and methodology leisure activities

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: 4.

Level: I.

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: 130

A	B	C	D	E	FX(0)	FX(1)	n
42.31	20.77	10.77	10.0	9.23	0.0	6.92	0.0

Instructor: doc. Mgr. Lívia Nemcová, PhD.

Last changed: 06.12.2021

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-MAT-191 | **Course name:** Matematika 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: 4

Recommended semester/trimester: 1., 2..

Level: I.

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: 127

A	B	C	D	E	FX(0)	FX(1)
16.54	5.51	39.37	18.11	12.6	4.72	3.15

Instructor: prof. RNDr. Miroslav Haviar, CSc., Mgr. Michaela Bruteničová

Last changed: 21.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-101	**Course name:** Mechanics
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:** 52 / 26 **Method of study:** combined	
Number of credits: 5	
Recommended semester/trimester: 1.	
Level: I.	
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)
0.0	6.25	37.5	18.75	31.25	0.0	6.25

Instructor: doc. RNDr. Janka Raganová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-401	**Course name:** Methods of measurement and data analysis in the natural sciences
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 / 39 / 0 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 4.	
Level: I.	
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

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: doc. RNDr. Janka Raganová, PhD.	
Last changed:	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-104	**Course name:** Molecular physics and thermodynamics
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 / 26 **Method of study:** combined	
Number of credits: 4	
Recommended semester/trimester: 2.	
Level: I.	
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

A	B	C	D	E	FX(0)	FX(1)
40.0	6.67	20.0	0.0	26.67	6.67	0.0

Instructor: doc. RNDr. Martin Plesch, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-630	**Course name:** Nuclear Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 13 / 0 **Method of study:** combined	
Number of credits: 4	
Recommended semester/trimester: 2.	
Level: I.	
Prerequisites: KCH FPV/1d-che-601/22	
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: 51

A	B	C	D	E	FX(0)	FX(1)
39.22	29.41	5.88	7.84	11.76	3.92	1.96

Instructor: doc. RNDr. Jarmila Kmeťová, PhD., MBA, Ing. Alžbeta Ďurecová, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-che-608 | **Course name:** Organic Chemistry

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39 / 0 / 26 / 0
Method of study: combined

Number of credits: 5

Recommended semester/trimester: 3.

Level: I.

Prerequisites: KCH FPV/1d-che-601/22

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)
23.94	21.13	29.58	9.86	15.49	0.0	0.0

Instructor: Mgr. Viktor Iaroshenko, PhD., doc. RNDr. Marek Skoršepa, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-OPX-102 | **Course name:** Orientation practice

Type, extent and method of instruction:
Form of instruction:
Course type: B (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: 5.

Level: I.

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: 55

A	B	C	D	E	FX(0)	FX(1)	n
90.91	0.0	1.82	0.0	0.0	7.27	0.0	0.0

Instructor: PhDr. Patrícia Zólyomiová, PhD., Mgr. Petra Fridrichová, PhD.

Last changed: 07.02.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-102	**Course name:** Physical Chemistry Practicum for Teachers
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 0 / 52 **Method of study:** combined	
Number of credits: 5	
Recommended semester/trimester: 4.	
Level: I.	
Prerequisites: KCH FPV/1d-che-601/22 and KCH FPV/1d-che-603/22	
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)
50.0	0.0	40.0	10.0	0.0	0.0	0.0

Instructor: doc. RNDr. Zuzana Melichová, PhD., doc. RNDr. Šimon Budzák, PhD., RNDr. Matej Šuránek

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-101	**Course name:** Physical Chemistry for Teachers

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39 / 0 / 26 / 0
Method of study: combined

Number of credits: 5

Recommended semester/trimester: 4.

Level: I.

Prerequisites: KCH FPV/1d-che-601/22

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)
10.0	20.0	10.0	20.0	40.0	0.0	0.0

Instructor: doc. RNDr. Zuzana Melichová, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-vstv-101 | **Course name:** Physical Education 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., 5.

Level: I.

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: 219

abs	n	p	v
63.93	36.07	0.0	0.0

Instructor: Mgr. Jaroslav Popelka, PhD., PaedDr. Jaroslav Kompán, PhD., doc. PaedDr. Jiří Michal, PhD., Mgr. Andrea Izáková, 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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-vstv-102	**Course name:** Physical Education 2
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., 6.	
Level: I.	
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: 13

abs	n	p	v
100.0	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. Kristián Bako, Mgr. Michal Hlávek, Mgr. Marián Škorik
Last changed: 27.03.2023
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-vstv-103 | **Course name:** Physical Education 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: 26
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1., 3., 5.

Level: I.

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: 98

abs	n	p	v
74.49	25.51	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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-vstv-104 | **Course name:** Physical Education 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: 26
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2., 4., 6.

Level: I.

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: 9

abs	n	p	v
88.89	11.11	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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-vstv-105	**Course name:** Physical Education 5
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., 5.	
Level: I.	
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
80.65	19.35	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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ufy-108 | **Course name:** Physical practicum of electricity and magnetism

Type, extent and method of instruction:
Form of instruction: Laboratory practical
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: 2

Recommended semester/trimester: 3.

Level: I.

Prerequisites: KFY FPV/1d-ufy-103/22

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)
0.0	78.57	21.43	0.0	0.0	0.0	0.0

Instructor: doc. PaedDr. Miriam Spodniaková Pfefferová, PhD., Mgr. Martin Hruška, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-106	**Course name:** Physical practicum of mechanics, molecular physics and thermodynamics
Type, extent and method of instruction: **Form of instruction:** Laboratory practical **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: I.	
Prerequisites: KFY FPV/1d-ufy-103/22	
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

A	B	C	D	E	FX(0)	FX(1)
40.0	40.0	6.67	6.67	0.0	6.67	0.0

Instructor: Mgr. Martin Hruška, PhD., doc. RNDr. Janka Raganová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-113	**Course name:** Physical practicum of quantum, subatomic and atomic physics
Type, extent and method of instruction: **Form of instruction:** Laboratory practical **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: 5.	
Level: I.	
Prerequisites: KFY FPV/1d-ufy-103/22	
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)
0.0	20.0	40.0	10.0	20.0	10.0	0.0

Instructor: prof. Dr. Boris Tomášik, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-111	**Course name:** Physical practicum of waves and optics
Type, extent and method of instruction: **Form of instruction:** Laboratory practical **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: 4.	
Level: I.	
Prerequisites: KFY FPV/1d-ufy-103/22	
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: 9

A	B	C	D	E	FX(0)	FX(1)
77.78	11.11	11.11	0.0	0.0	0.0	0.0

Instructor: doc. PaedDr. Miriam Spodniaková Pfefferová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fyz-501	**Course name:** Physics 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: 4	
Recommended semester/trimester: 2.	
Level: I.	
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: 88

A	B	C	D	E	FX(0)	FX(1)
26.14	27.27	13.64	17.05	10.23	1.14	4.55

Instructor: doc. PaedDr. Miriam Spodniaková Pfefferová, PhD.	
Last changed: 20.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-201	**Course name:** Physics problems solving 1
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: 3	
Recommended semester/trimester: 1.	
Level: I.	
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

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: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-202	**Course name:** Physics problems solving 2
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: 3	
Recommended semester/trimester: 2.	
Level: I.	
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: 12

A	B	C	D	E	FX(0)	FX(1)
50.0	50.0	0.0	0.0	0.0	0.0	0.0

Instructor:	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-che-620 | **Course name:** Practicum in Biochemistry

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 0 / 0 / 0 / 52
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 5.

Level: I.

Prerequisites: KCH FPV/1d-che-608/22 and KCH FPV/1d-che-609/22

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: 59

A	B	C	D	E	FX(0)	FX(1)
45.76	44.07	6.78	1.69	1.69	0.0	0.0

Instructor: doc. RNDr. Marek Skoršepa, PhD., Mgr. Janka Ševčíková, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-605	**Course name:** Practicum in Inorganic Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 0 / 52 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 2.	
Level: I.	
Prerequisites: KCH FPV/1d-che-601/22 and KCH FPV/1d-che-603/22	
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: 76

A	B	C	D	E	FX(0)	FX(1)
55.26	35.53	5.26	0.0	0.0	3.95	0.0

Instructor: doc. RNDr. Šimon Budzák, PhD., RNDr. Matej Šuránek	
Last changed: 24.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-che-609 | **Course name:** Practicum in Organic Chemistry

Type, extent and method of instruction:
Form of instruction: Lecture / Practical / Seminar / Laboratory practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 0 / 0 / 0 / 52
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 3.

Level: I.

Prerequisites: KCH FPV/1d-che-601/22 and KCH FPV/1d-che-603/22

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: 72

A	B	C	D	E	FX(0)	FX(1)
26.39	41.67	26.39	5.56	0.0	0.0	0.0

Instructor: doc. RNDr. Marek Skoršepa, PhD., doc. RNDr. Šimon Budzák, PhD., Mgr. Jela Nociarová

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-103	**Course name:** Propaedeutics of Science Education
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 13 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 5.	
Level: I.	
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)
100.0	0.0	0.0	0.0	0.0	0.0	0.0

Instructor: doc. RNDr. Jarmila Kmeťová, PhD., MBA

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-REK-411	**Course name:** Psychology of advertising

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:

Level: I., P

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: 43

A	B	C	D	E	FX(0)	FX(1)	n
100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Instructor: PhDr. Beáta Žitniaková Gurgová, PhD.

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-KRE-402 | **Course name:** Psychology of creativity

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: 3

Recommended semester/trimester: 2.

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: 340

A	B	C	D	E	FX(0)	FX(1)	n
53.82	7.94	15.0	10.59	12.65	0.0	0.0	0.0

Instructor: doc. PaedDr. Lucia Pašková, PhD.

Last changed: 03.02.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-112	**Course name:** Quantum, atomic and subatomic physics
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 / 39 **Method of study:** combined	
Number of credits: 5	
Recommended semester/trimester: 5.	
Level: I.	
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)
10.0	20.0	0.0	20.0	40.0	10.0	0.0

Instructor: prof. Dr. Boris Tomášik, PhD., Dr. Martina Javůrková	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-103	**Course name:** Repetition of mathematics
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.	
Level: I.	
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: 21

abs	n	p	v
90.48	9.52	0.0	0.0

Instructor:	
Last changed: 24.08.2020	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-fpv-001 | **Course name:** Research project 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: 4.

Level: I.

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: 4

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., Mgr. Lenka Balážovičová, PhD., doc. Ing. Ján Tomaškin, PhD., doc. RNDr. Zuzana Melichová, PhD., prof. Dr. Boris Tomášik, PhD., doc. PaedDr. Ján Stebila, PhD.

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-fpv-002 | **Course name:** Research project 2

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: 6.

Level: I.

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: 13

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., doc. PaedDr. Ján Stebila, PhD., prof. Dr. Boris Tomášik, PhD.

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-RIS-513	**Course name:** Rod, identita, spoločnosť

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., 6.

Level: I.

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. Jana Šolcová, PhD., PhDr. Katarína Kurčíková, PhD., PhDr. Lucia Galková, PhD., doc. Mgr. Lívia Nemcová, PhD., doc. PaedDr. Lenka Rovňanová, PhD., Mgr. Zuzana Heinzová, PhD., Mgr. Martina Kubealaková, PhD., prof. PhDr. Alexandra Bitušíková, CSc., doc. Ing. Kamila Borseková, PhD., PhDr. Kamila Koza Beňová, PhD., RNDr. Elena Kupcová, PhD., Mgr. Lujza Urbancová, PhD.

Last changed: 29.03.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-212	**Course name:** Seminar on bachelor thesis
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: 6.	
Level: I.	
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: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-205	**Course name:** Seminar on electricity and magnetism
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: 3.	
Level: I.	
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)
78.57	0.0	21.43	0.0	0.0	0.0	0.0

Instructor:	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-104	**Course name:** Seminar on mathematics 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.	
Level: I.	
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: 27

abs	n	p	v
85.19	14.81	0.0	0.0

Instructor: doc. Dr. Ing. Evgeni Kolomeitsev, PhD.	
Last changed: 26.09.2019	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-205	**Course name:** Seminar on mathematics 2

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: I.

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: 42

abs	n	p	v
80.95	19.05	0.0	0.0

Instructor: doc. Dr. Ing. Evgeni Kolomeitsev, PhD.

Last changed: 26.09.2019

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-110	**Course name:** Seminar on mathematics 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:** 26 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 3.	
Level: I.	
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
100.0	0.0
Instructor: doc. Dr. Ing. Evgeni Kolomeitsev, PhD.	
Last changed: 26.09.2019	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-208	**Course name:** Seminar on modern physics
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: 5.	
Level: I.	
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	0.0	33.33	0.0	66.67	0.0	0.0

Instructor:	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-211	**Course name:** Seminar on statistical physics

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: 6.

Level: I.

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(0)	FX(1)
0.0	0.0	0.0	100.0	0.0	0.0	0.0

Instructor:

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-SOP-401 | **Course name:** Social 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: 4

Recommended semester/trimester: 3.

Level: I.

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: 630

A	B	C	D	E	FX(0)	FX(1)	n
22.7	23.65	23.97	16.51	7.94	1.59	3.65	0.0

Instructor: PhDr. Beáta Žitniaková Gurgová, PhD.

Last changed: 03.02.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-spr-193	**Course name:** Sociology: practical knowledge of society
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., 6.	
Level: I.	
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. Roman Hofreiter, PhD., doc. Mgr. M. A. Ivan Chorvát, CSc.	
Last changed: 27.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-106	**Course name:** State Exam: 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: 10

Recommended semester/trimester: 5., 6..

Level: I.

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	0.0	33.33	0.0	0.0

Instructor:

Last changed:

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-114	**Course name:** Statistical physics and its applications
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 / 26 **Method of study:** combined	
Number of credits: 4	
Recommended semester/trimester: 6.	
Level: I.	
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: 4

A	B	C	D	E	FX(0)	FX(1)
0.0	0.0	0.0	25.0	50.0	0.0	25.0

Instructor: prof. Dr. Boris Tomášik, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-HOP-513	**Course name:** Sustainable development and service learning 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., 5.	
Level: I.	
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: PhDr. Katarína Kurčíková, PhD., Mgr. Jana Šolcová, PhD., PhDr. Lucia Galková, PhD.	
Last changed: 31.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-HO2-513	**Course name:** Sustainable development and service learning 2
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., 6.	
Level: I.	
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: PhDr. Katarína Kurčíková, PhD., Mgr. Jana Šolcová, PhD., PhDr. Lucia Galková, PhD.	
Last changed: 31.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-vdsl-01	**Course name:** The Great Works in World Literature I

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., 6.

Level: I., P

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 of ancient 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.

Brief outline of the course:
The greatest works in ancient Mesopotamia. Sumerian literature, Sumerian-Akkadian synthesis in literature. Ancient Egyptian literature – the greatest works. Ancient Chinese literature; basic Confucian and Taoist texts, old Chinese poetry. Ancient Indian literature - the most important written monuments from the Vedic period and from the so-called historical period, ancient Indian epics. Hebrew (ancient Jewish) literature. The Bible. Ancient Arabic literature; poetry of the pre-Islamic era, the Koran as a religious text and a literary monument. Ancient Greek literature (great works of archaic epic, lyric and drama). Ancient Roman literature, the great works of poets of the classical period (Vergilius, Horatius, Ovidius).

Recommended literature:
1. BURKE, Peter. Kulturní historie. Dokořán, 2011.
2. MACURA, V. a kol.: Slovník světových literárních děl 1. – 2. Praha : Odeon, 1989.
3. ELIADE, M.: Dejiny náboženských predstáv a ideí 1. – 3. Bratislava : Agora, 1995, 1997,
4. 1997.
5. Velké postavy východního myšlení: slovník myslitelů. Uspořádal Ian P. McGreal. Praha :
6. Prostor, 1998.
7. ASSMANN, J.: Kultura a paměť. Písmo, vzpomínka a politická identita v rozvinutých
8. kulturách starověku. Praha : PROSTOR, 2001.
9. Duchovní prameny života: stvoření světa ve starých mýtech a náboženstvích. Praha : Vyšehrad,1997.
10. PUTNA, M. C.: Homér 21, http://www.fhs.cuni.cz/homer21/main.html

11. CANFORA, Luciano: Dějiny řecké literatury
12. CONTE, Gian Biagio: Dějiny římské literatury.

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: 1

abs	n	p	v
100.0	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: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-fpv-202 | **Course name:** The planet we live on

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.

Level: I.

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: 464

A	B	C	D	E	FX(0)	FX(1)
81.03	7.54	2.59	1.08	0.22	7.54	0.0

Instructor: prof. RNDr. Ján Spišiak, DrSc., Mgr. Viera Šimonová, PhD.

Last changed: 07.09.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-207	**Course name:** Theoretical mechanics
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: 4.	
Level: I.	
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: 4

A	B	C	D	E	FX(0)	FX(1)
50.0	25.0	25.0	0.0	0.0	0.0	0.0

Instructor:	
Last changed: 17.06.2022	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-202	**Course name:** Theory of Chemical Bonding
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 13 / 0 **Method of study:** combined	
Number of credits: 4	
Recommended semester/trimester: 5.	
Level: I.	
Prerequisites: KCH FPV/1d-uch-101/22	
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. Miroslav Medveď, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-110	**Course name:** Theory of electromagnetic field and theory of relativity
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: 4.	
Level: I.	
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)
40.0	20.0	30.0	0.0	10.0	0.0	0.0

Instructor:

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-tpzp-101	**Course name:** Thesis Creation and Presentation

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: 3.

Level: I.

Prerequisites:

Course completion conditions:
a) continuous assessment: seminar paper preparation 30%
b) final assessment: written/oral exam 70%

Learning objectives:
The student
1. is able to create an academic text and thesis on their own
2. can follow the bibliographical guidelines and norms
3. follows the basic principles of research presentation
4. understand citing ethics and technique
5. can efficiently communicate and present their own knowledge and skills in speaking and writing

Brief outline of the course:
Text, text types, factual texts, written text. Contents, topics, language, and composition of specialised text. University final and qualification theses – academic writing. Bibliography and bibliographic norms. Primary sources – printed and digital/electronic. Quotation, citation, bibliographic reference. Copyright, author and academic ethics. Abstract – How to solve a problem? How the problem was solved? What are the specific results? How is it useful? Presentation – basic principles for slide composition.

Recommended literature:
1. Čmejrková, Světla – Daneš, František – Světlá Jindra: Jak napsat odborný text. Praha: Leda 1999.
2. Katuščák, Dušan. Ako písať záverečné a kvalifikačné práce. Enigma, 2004.
3. Meško, Dušan – Katuščák, Dušan – Findra, Ján a kol.: Akademická príručka. 2., dopl. vyd. Martin : Osveta, 2005.
4. Šanderová, Jadwiga, Jak číst a psát odborný text ve společenských vědách. Několik zásad pro začátečníky, Praha, Slon, 2007.

Language of instruction:

Notes:student time load:
90 h.
combined study (lectures/seminars/consultations): 26, self-study: 42
seminar paper preparation: 22

Course assessment
The final number of assessed students: 165

A	B	C	D	E	FX(0)	FX(1)	n
12.12	24.85	20.61	12.73	10.91	18.18	0.61	0.0

Instructor: Mgr. Roman Hofreiter, PhD., doc. Mgr. M. A. Ivan Chorvát, CSc., Mgr. Ivan Souček, PhD.

Last changed: 12.09.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-512	**Course name:** Thesis Preparation
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 26 / 0 / 0 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 5.	
Level: I.	
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

A	B	C	D	E	FX(0)	FX(1)
50.0	29.63	18.52	1.85	0.0	0.0	0.0

Instructor: doc. RNDr. Marek Skoršepa, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-uch-203	**Course name:** Thesis Seminar
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 6.	
Level: I.	
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: 4

A	B	C	D	E	FX(0)	FX(1)
0.0	75.0	25.0	0.0	0.0	0.0	0.0

Instructor:	
Last changed: 24.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ufy-206	**Course name:** Topics from advanced 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 / 13
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 4.

Level: I.

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: prof. Dr. Boris Tomášik, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-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., 5.	
Level: I.	
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: Mgr. art. Martin Urban, PhD.	
Last changed: 30.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-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., 5.	
Level: I.	
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

abs	n	p	v
66.67	33.33	0.0	0.0

Instructor: Mgr. Pavel Martinka, PhD.	
Last changed: 30.03.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-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., 5.	
Level: I.	
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
81.25	18.75	0.0	0.0

Instructor: Mgr. Pavel Martinka, PhD.	
Last changed: 04.04.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ufy-109 | **Course name:** Waves and optics

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 / 26
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: I.

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)
40.0	10.0	30.0	20.0	0.0	0.0	0.0

Instructor: doc. PaedDr. Miriam Spodniaková Pfefferová, PhD.

Last changed: 17.06.2022

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-che-801	**Course name:** Work Safety in Chemistry
Type, extent and method of instruction: **Form of instruction:** Lecture / Practical / Seminar / Laboratory practical **Course type:** B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses) **Recommended number of periods:** 0 / 0 / 26 / 0 **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 1.	
Level: I.	
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: 125

A	B	C	D	E	FX(0)	FX(1)
88.0	4.0	0.0	0.0	0.0	5.6	2.4

Instructor: RNDr. Elena Kupcová, PhD.

Last changed: 24.04.2023

Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-YWO-513	**Course name:** Youth Work
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:	
Level: I.	
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: prof. PaedDr. Peter Jusko, PhD.	
Last changed: 08.09.2023	
Approved by: doc. RNDr. Jarmila Kmeťová, PhD., MBA, doc. RNDr. Martin Plesch, PhD., prof. Dr. Boris Tomášik, PhD.	