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Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 12-IDR	**Course name:** An Introduction to Debate and Reasoning

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: 0 / 26
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: I., II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 0

abs	n	p	v
0.0	0.0	0.0	0.0

Instructor: doc. PhDr. Dana Benčiková, PhD.

Last changed: 31.08.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-111 | **Course name:** Artificial intelligence

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: 5

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 86

A	B	C	D	E	FX(0)	FX(1)
18.6	5.81	17.44	12.79	19.77	10.47	15.12

Instructor: prof. Dr. Ing. Miroslav Svítek, Dr., doc. Mgr. Adam Dudáš, PhD.

Last changed: 22.08.2025

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-geu-206 | **Course name:** Behavioral geography

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

Number of credits: 3

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 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. PaedDr. Bohuslava Hrončeková Gregorová, PhD.

Last changed: 27.06.2022

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-biu-302 | **Course name:** Biological excursion

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: 3d
Method of study: combined

Number of credits: 2

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 40

abs	n	p	v
95.0	5.0	0.0	0.0

Instructor: Mgr. Marcela Adamcová, PhD.

Last changed:

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-402 | **Course name:** Business intelligence

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.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 0

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

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD.

Last changed: 03.12.2022

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-222 | **Course name:** Cloud Computing

Type, extent and method of instruction:
Form of instruction: Lecture / Practical
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 13
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 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. Ing. Jarmila Škrinárová, PhD., Mgr. Adrián Hamada

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-123 | **Course name:** Compilers

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: 5

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 76

A	B	C	D	E	FX(0)	FX(1)
7.89	15.79	23.68	23.68	11.84	7.89	9.21

Instructor: doc. Mgr. Adam Dudáš, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-132 | **Course name:** Computability Theory

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: 5

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 50

A	B	C	D	E	FX(0)	FX(1)
24.0	20.0	10.0	22.0	14.0	2.0	8.0

Instructor: doc. Mgr. Adam Dudáš, PhD.

Last changed: 22.08.2025

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-212 | **Course name:** Computer Graphics 2

Type, extent and method of instruction:
Form of instruction: Lecture / Practical
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 26
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 1.

Level: II.

Prerequisites: KIN FPV/1d-ain-235/21 or KIN FPV/1d-uin-251/22 or KIN FPV/1e-ain-235/21

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)
15.28	19.44	18.06	16.67	15.28	12.5	2.78

Instructor: Mgr. Michal Vagač, PhD., doc. Mgr. Adam Dudáš, PhD.

Last changed: 27.08.2025

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-242 | **Course name:** Computer Networks 2

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

Number of credits: 4

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 31

A	B	C	D	E	FX(0)	FX(1)
48.39	48.39	0.0	0.0	3.23	0.0	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD., Mgr. Rudolf Kubík

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 12-SKS	**Course name:** Contemporary Conflicts in the World: Economic, Political, Social and Legal Dimensions

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: 26 / 0
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: I., II.

Prerequisites:

Course completion conditions:
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Learning objectives:
Upon successful completion of the course, the student will be able to:
explain the main causes, characteristics and typology of contemporary conflicts;
identify the political, economic, social, security and legal dimensions of conflicts;
analyse selected contemporary conflicts from an interdisciplinary perspective;
assess the impact of conflicts on international security, the economy, migration, social stability and human rights;
describe the role of states, international organisations and non-state actors in the emergence, development and resolution of conflicts;
distinguish between facts, expert interpretations, propaganda and disinformation;
use relevant academic sources and critically evaluate information about conflicts;
formulate and substantiate their own position on selected issues related to contemporary conflicts;
propose basic approaches to conflict prevention, mitigation and peaceful resolution.

Brief outline of the course:
Introduction to the study of contemporary conflicts – key concepts, causes and typology of conflicts.
The evolution of armed conflicts and the changing nature of warfare in the 21st century.
State and non-state actors in contemporary conflicts.
Political and geopolitical dimensions of conflicts.
Economic causes and consequences of conflicts – sanctions, trade and the financing of warfare.
Energy, resource and food security in conflict situations.
Social consequences of conflicts – migration, poverty, radicalisation and social polarisation.
International legal aspects of conflicts and international humanitarian law.
Human rights protection and international criminal responsibility.
Hybrid threats, information operations, propaganda and disinformation.
Analysis of selected contemporary conflicts in Europe and its neighbourhood.
Analysis of selected conflicts in the Middle East, Africa and Asia.
Conflict prevention, management and peaceful resolution – final discussion and synthesis of acquired knowledge.

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. Rastislav Kazanský, PhD., EMBA

Last changed: 07.09.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2-OEV2	**Course name:** Diplomacy in Practice - Professional Excursion at the Embassy II.

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: 0 / 26
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 337

abs	n	p	v
90.5	9.5	0.0	0.0

Instructor: doc. PhDr. Erik Pajtinka, PhD.

Last changed: 07.06.2024

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2-OEMO2	**Course name:** Diplomacy in Practice - Professional Excursion in an International Organization II.

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: 0 / 26
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 241

abs	n	p	v
99.17	0.83	0.0	0.0

Instructor: doc. PhDr. Erik Pajtinka, PhD.

Last changed: 07.06.2024

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-231 | **Course name:** Effective Algorithms

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: 4

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 36

A	B	C	D	E	FX(0)	FX(1)
36.11	22.22	13.89	16.67	11.11	0.0	0.0

Instructor: doc. Ing. Jarmila Škrinárová, PhD., RNDr. Miroslav Melicherčík, PhD., univ. doc.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-307 | **Course name:** Electoral Geography

Type, extent and method of instruction:
Form of instruction: Seminar
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 379

abs	n	p	v
96.83	3.17	0.0	0.0

Instructor: RNDr. Tibor Madleňák, PhD.

Last changed: 24.07.2015

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-244 | **Course name:** Evolutionary Algorithms

Type, extent and method of instruction:
Form of instruction: Lecture / Seminar
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 26 / 13
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 1

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

Instructor: doc. Ing. Jarmila Škrinárová, PhD., doc. RNDr. Alžbeta Michalíková, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-fpv-403	**Course name:** Excursion 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:** 1d **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester:	
Level: II.	
Prerequisites:	
Course completion conditions:	
Learning objectives:	
Brief outline of the course:	
Recommended literature:	
Language of instruction:	
Notes:student time load:	
Course assessment The final number of assessed students: 47	

abs	n
93.62	6.38

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD.
Last changed: 05.09.2024
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-205 | **Course name:** Field Course Abroad

Type, extent and method of instruction:
Form of instruction: Practical
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 1560
Method of study: combined

Number of credits: 6

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 60

abs	n	p	v
96.67	3.33	0.0	0.0

Instructor: doc. RNDr. Alfonz Gajdoš, PhD., RNDr. Tibor Madleňák, PhD., RNDr. Michaela Žoncová, PhD.

Last changed: 03.02.2017

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-124 | **Course name:** Finance in practice

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

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 107

abs	n	p	v
98.13	1.87	0.0	0.0

Instructor: Ing. Jana Crmanová

Last changed: 21.09.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-fpv-215	**Course name:** Foreign Excursion
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:** 1d **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 2., 4.	
Level: II.	
Prerequisites:	
Course completion conditions:	
Learning objectives:	
Brief outline of the course:	
Recommended literature:	
Language of instruction:	
Notes:student time load:	
Course assessment The final number of assessed students: 38	

abs	n
50.0	50.0

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD.	
Last changed: 22.01.2024	
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.	

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-114 | **Course name:** Formal Languages and Automata

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: 4

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 84

A	B	C	D	E	FX(0)	FX(1)
13.1	5.95	19.05	23.81	22.62	1.19	14.29

Instructor: doc. Mgr. Adam Dudáš, PhD., Mgr. Nataliia Časnochová Zozuk, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-113 **Course name:** Fuzzy Sets 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 / 13
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 83

A	B	C	D	E	FX(0)	FX(1)
22.89	10.84	16.87	15.66	16.87	10.84	6.02

Instructor: doc. Mgr. Adam Dudáš, PhD., doc. RNDr. Alžbeta Michalíková, PhD.

Last changed: 22.08.2025

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-225 | **Course name:** Fuzzy Sets 2

Type, extent and method of instruction:
Form of instruction: Lecture / Seminar
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 13
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 66

A	B	C	D	E	FX(0)	FX(1)
9.09	6.06	4.55	37.88	28.79	6.06	7.58

Instructor: doc. RNDr. Alžbeta Michalíková, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-100 | **Course name:** Games as a tool in the protection of biodiversity

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

Number of credits: 3

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 19

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

Instructor:

Last changed: 09.07.2024

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-uVZSP | **Course name:** General Foundations of Private Law

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

Number of credits: 3

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:
The prerequisite for passing the course is attendance at a minimum of 90% of the teaching and active participation of students in class. The evaluation is in accordance with the classification scale according to the Study Regulations of Matej Bel University.
a) continuous assessment:
Continuous evaluation is not performed.
b) final assessment:
The basis for the award of the final grade is the demonstration of mastery of the knowledge of the lecture material, which is demonstrated in an active dialogue with the teacher in the teaching of the subject.

Learning objectives:
The graduate will be able to distinguish private law from public law, will be oriented in the basic principles of private law, which in the European continental legal system traditionally includes civil law, commercial law, family law and international private law. The graduate will have knowledge of the basic institutions of private law (both substantive and procedural), their current legal regulation and use in practice.

Brief outline of the course:

Recommended literature:
VOJČÍK, P. a kol.: Občianske právo hmotné 1. a 2., Plzeň: Aleš Čenek, 2018. 764 s. ISBN 978-80-73807-19-1.
CIRÁK, J. - GANDŽALOVÁ, D.: Základy rodinného práva, Úvodná časť - Manželské práva - Osvojenie, Banská Bystrica: UMB Belianum, 2019. ISBN 978-80-557-1548-3.
MURÁNSKA, J. - GANDŽALOVÁ, D. - TAKÁČ, J.: Základy rodinného práva, Rodičia a deti - Výživné, Banská Bystrica: UMB Belianum, 2019. ISBN 978-80-557-1622-0.
KUBÍČEK, P. – ŠKRINÁR, A. – NEVOLNÁ, Z. – KOLKUSOVÁ, R. – ĎURICA, M.: Obchodné právo. 3. vydanie. Plzeň: Aleš Čeněk, 2021, 420 s. ISBN 978-80-7380-847-1.
Act No. 40/1964 Coll. Civil Code as amended.
Act No. 36/2005 Coll. on the Family, as amended.
Act No. 160/2015 Coll. on the Civil Procedure Code, as amended.
Act No. 161/2015 Coll. on the Civil Procedure Code, as amended.

Act No. 513/1990 Coll., Commercial Code, as amended.

Language of instruction:
Slovak language

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

Course assessment
The final number of assessed students: 171

abs	n	p	v
84.8	15.2	0.0	0.0

Instructor: prof. JUDr. Daniela Gandžalová, PhD., doc. JUDr. Marián Ďurana, PhD., doc. JUDr. Juraj Takáč, PhD., doc. JUDr. Katarína Zajác Ševcová, PhD., JUDr. Monika Némethová, PhD., Mgr. Miroslava Dolíhalová, PhD., JUDr. Jakub Dzimko, PhD., JUDr. Dominik Čipka, PhD., JUDr. Ing. Miroslav Paller, JUDr. Lucia Petríková, PhD.

Last changed: 30.03.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-114 | **Course name:** Geopolitical development of the World

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

Number of credits: 4

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 79

A	B	C	D	E	FX(0)	FX(1)	n
55.7	11.39	16.46	5.06	3.8	6.33	1.27	0.0

Instructor: RNDr. Tibor Madleňák, PhD., doc. et doc. PaedDr. Pavel Hronček, PhD.

Last changed: 03.02.2017

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-224 | **Course name:** Information Systems

Type, extent and method of instruction:
Form of instruction: Lecture / Seminar
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 26
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 68

A	B	C	D	E	FX(0)	FX(1)
45.59	48.53	4.41	1.47	0.0	0.0	0.0

Instructor: prof. Dr. Ing. Miroslav Svítek, Dr.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-221 | **Course name:** Information and Coding Theory

Type, extent and method of instruction:
Form of instruction: Lecture / Seminar
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 26
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 0

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

Instructor: prof. Dr. Ing. Miroslav Svítek, Dr.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-241 | **Course name:** Introduction to Robotics and Computer Vision

Type, extent and method of instruction:
Form of instruction: Lecture / Practical
Course type: B (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 26 / 13
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 32

A	B	C	D	E	FX(0)	FX(1)
93.75	0.0	0.0	0.0	0.0	6.25	0.0

Instructor: doc. Ing. Jarmila Škrinárová, PhD., Mgr. Michal Vagač, PhD.

Last changed: 06.03.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-biu-301 | **Course name:** Introduction to zootherapy

Type, extent and method of instruction:
Form of instruction: Seminar
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13
Method of study: combined

Number of credits: 2

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 177

A	B	C	D	E	FX(0)	FX(1)
81.36	11.3	2.26	1.13	0.0	3.95	0.0

Instructor:

Last changed: 21.08.2024

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-LMT-123 | **Course name:** Limits of intimacy: on responsible relationships

Type, extent and method of instruction:
Form of instruction: Practical / Seminar
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 13
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 654

abs	n	p	v
97.09	2.91	0.0	0.0

Instructor: doc. Mgr. Lívia Nemcová, PhD., doc. PaedDr. Lenka Rovňanová, PhD.

Last changed: 22.03.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-112 | **Course name:** Linear Optimization

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: 5

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 81

A	B	C	D	E	FX(0)	FX(1)
14.81	13.58	16.05	19.75	23.46	1.23	11.11

Instructor: doc. Mgr. Adam Dudáš, PhD., Ing. Lucia Ondrigová, PhD.

Last changed: 15.04.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-243 | **Course name:** Managing Systems for HPC

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: 4

Recommended semester/trimester: 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 23

A	B	C	D	E	FX(0)	FX(1)
34.78	30.43	17.39	0.0	4.35	13.04	0.0

Instructor: doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-121 | **Course name:** Modeling and Simulation

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: 6

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 68

A	B	C	D	E	FX(0)	FX(1)
27.94	50.0	11.76	7.35	2.94	0.0	0.0

Instructor: prof. Dr. Ing. Miroslav Svítek, Dr.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-211 | **Course name:** Multidimensional Analysis of Large Data

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: 4

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 75

A	B	C	D	E	FX(0)	FX(1)
12.0	10.67	16.0	22.67	17.33	5.33	16.0

Instructor: doc. Ing. Jarmila Škrinárová, PhD., doc. Mgr. Adam Dudáš, PhD.

Last changed: 22.08.2025

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-105 | **Course name:** Myths and urban legends in natural sciences

Type, extent and method of instruction:
Form of instruction: Lecture
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 205

A	B	C	D	E	FX(0)	FX(1)
93.17	0.49	0.0	0.0	0.0	6.34	0.0

Instructor: doc. RNDr. Šimon Budzák, PhD.

Last changed: 24.09.2019

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-122 | **Course name:** Neural Networks

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: 5

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 74

A	B	C	D	E	FX(0)	FX(1)
24.32	17.57	24.32	16.22	9.46	5.41	2.7

Instructor: doc. Ing. Jarmila Škrinárová, PhD., Ing. Lucia Ondrigová, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-2d-umb-301	**Course name:** Národné obranné sily
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:** 14d / 4s **Method of study:** combined	
Number of credits: 3	
Recommended semester/trimester: 1., 3.	
Level: I., II.	
Prerequisites:	
Course completion conditions:	
Learning objectives:	
Brief outline of the course:	
Recommended literature:	
Language of instruction:	
Notes:student time load:	

Course assessment
The final number of assessed students: 0

abs	n	p	v
0.0	0.0	0.0	0.0

Instructor: doc. PaedDr. Miriam Spodniaková Pfefferová, PhD.
Last changed: 13.09.2026
Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d/fpv-101 | **Course name:** Ochrana prírody – od teórie k praxi

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 / 0 / 26 / 0
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 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: 09.06.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 2d-fpv-323	**Course name:** Out-of-School Activities in Didactics of Informatics 10

Type, extent and method of instruction:
Form of instruction: Practical
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39s
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 25

abs	n	p	v
92.0	8.0	0.0	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-320 | **Course name:** Out-of-School Activities in Didactics of Informatics 7

Type, extent and method of instruction:
Form of instruction: Practical
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39s
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 71

abs	n	p	v
83.1	16.9	0.0	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-321 | **Course name:** Out-of-School Activities in Didactics of Informatics 8

Type, extent and method of instruction:
Form of instruction: Practical
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39s
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 73

abs	n	p	v
91.78	8.22	0.0	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-322 | **Course name:** Out-of-School Activities in Didactics of Informatics 9

Type, extent and method of instruction:
Form of instruction: Practical
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 39s
Method of study: combined

Number of credits: 4

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 34

abs	n	p	v
88.24	11.76	0.0	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-131 | **Course name:** Parallel and Distributed Computing

Type, extent and method of instruction:
Form of instruction: Lecture / Practical
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13 / 26
Method of study: combined

Number of credits: 5

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 50

A	B	C	D	E	FX(0)	FX(1)
38.0	28.0	12.0	4.0	14.0	2.0	2.0

Instructor: doc. Ing. Jarmila Škrinárová, PhD., Mgr. Adrián Hamada

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-vstv-106 | **Course name:** Physical Education 6

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

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 217

abs	n	p	v
93.55	6.45	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, PhD., Mgr. Michal Hlávek, PhD., Mgr. Marián Škorik, PhD., Mgr. Andrej Dibdiak, Mgr. Bc. Lukáš Karabín, Mgr. Olívia Mudráková, Mgr. Marek Janík, Mgr. Dominik Klimek

Last changed: 19.10.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-vstv-107 | **Course name:** Physical Education 7

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

Number of credits: 3

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 265

abs	n	p	v
91.7	8.3	0.0	0.0

Instructor: Mgr. Jaroslav Popelka, PhD., PaedDr. Jaroslav Kompán, PhD., Mgr. Andrea Izáková, PhD., doc. PaedDr. Jiří Michal, PhD., PaedDr. Mgr. Lukáš Opáth, PhD., doc. PaedDr. Pavol Pivovarniček, PhD., Mgr. Martin Bako, Mgr. Marián Škorik, PhD., Mgr. Michal Hlávek, PhD., Mgr. Bc. Lukáš Karabín, Mgr. Andrej Dibdiak, Mgr. Olívia Mudráková, Mgr. Marek Janík, Mgr. Dominik Klimek

Last changed: 19.10.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-vstv-108 | **Course name:** Physical Education 8

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

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 121

abs	n	p	v
91.74	8.26	0.0	0.0

Instructor: PaedDr. Boris Beťák, PhD., Mgr. Jaroslav Popelka, PhD., PaedDr. Jaroslav Kompán, PhD., Mgr. Andrea Izáková, PhD., doc. PaedDr. Jiří Michal, PhD., PaedDr. Mgr. Lukáš Opáth, PhD., doc. PaedDr. Pavol Pivovarniček, PhD., Mgr. Michal Hlávek, PhD., Mgr. Kristián Bako, PhD., Mgr. Marián Škorik, PhD., Mgr. Andrej Dibdiak, Mgr. Bc. Lukáš Karabín, Mgr. Olívia Mudráková, Mgr. Marek Janík, Mgr. Dominik Klimek

Last changed: 19.10.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: D_2_LpP_cupv	**Course name:** Practice Laboratory

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

Number of credits: 4

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:
a) continuous assessment: participation in SILab activities – 50% of the overall grade
b) final assessment: preparation and presentation of a semester project – 50% of the overall grade
Within the continuous assessment, students complete assignments based on project-oriented learning implemented in the Social Innovation Living Lab (SILAb) environment. The assessment includes active participation in classes and SILAb activities, as well as participation in activities carried out in cooperation with external partners from practice.
The final assessment consists of the preparation and presentation of a semester project focused on proposing a solution to a specific real-world problem (e.g., a business model, an innovative solution, a strategy, etc.). A student receives a "passed" grade if they achieve at least 65% of the total course evaluation by fulfilling the specified requirements.
A resit for the continuous assessment can be completed no later than the last week of teaching and ongoing study obligations and consists of completing substitute assignments.
A resit for the final assessment can be completed during the period designated for completing study obligations and consists of a revised or newly prepared semester project and its presentation, focused on proposing a solution to a specific real-world problem.

Learning objectives:
The student:
1. uses appropriate scientific and analytical methods to solve assignments and is able to independently and methodologically correctly address research and applied tasks,
2. applies methods of collecting and processing primary and secondary data in practice, evaluates their suitability, formulates research questions and proposes solutions,
3. designs solutions to problems including an action plan and implementation strategy, applying principles of innovation ecosystems and smart solutions in public, private, and non-profit sectors,
4. designs and tests solutions in a living lab (SILab) using participatory approaches, creates and evaluates business models with regard to sustainability and ESG,
5. works with data and digital tools in designing solutions,
6. uses participatory and co-creation approaches when engaging stakeholders,
7. evaluates the social and economic impact of solutions, integrates knowledge from different disciplines, and presents results to both professional and general audiences.

Brief outline of the course:

Introduction to the course, idea generation, identification of business opportunities, definition of vision and strategic goals. Social economy, social entrepreneurship, legal framework of social enterprises in Slovakia, business models with social impact, impact measurement, ESG, CSR and non-financial reporting. Business plan development (Business Model Canvas, Lean Canvas), market research, competitor and customer analysis, segmentation, value proposition and go-to-market strategy. Operational planning, logistics, supply chains, outsourcing and risk management. Brand building, identity and positioning, basics of marketing, sales strategies and customer journey. Digital marketing (SEO, content, social media, CRM), feedback, product iteration and MVP. Digital business models, use of AI in business and its impacts, cybersecurity and data protection. Entrepreneurial mindset, dealing with failure, soft skills, leadership and ethics. Presentation of the business plan, pitch deck and defense of solutions.

Recommended literature:

1. ANICHE, L. Q., a kol. 2024. Boosting co-creation of Nature-based Solutions within Living Labs: Interrelating enablers using Interpretive Structural Modelling. Environmental Science & Policy, 161, 103873. ISSN 1462-9011. DOI: https://doi.org/10.1016/j.envsci.2024.103873
2. BLAND, D. J., & OSTERWALDER, A. (2019). Testing business ideas: A field guide for rapid experimentation. Wiley.
3. COOLEY, T. (2021). The pitch deck book: How to present your business and secure investors. Independently published.
4. ENoLL. 2025. Living Lab Origins, Developments and Future Perspectives. DOI: https://doi.org/10.5281/zenodo.14764597
5. FUGLSANG, Lars, HANSEN, Anne V., MERGEL, Ines a RØHNEBÆK, Maria. 2021. Living labs for public sector innovation: An integrative literature review. Administrative Sciences, 11(2), 58. DOI: https://doi.org/10.3390/admsci11020058
6. HERTH, A., VERBURG, R. a BLOK, K. 2025. The Innovation Power of Living Labs to Enable Sustainability Transitions: Challenges and Opportunities of On-Campus Initiatives. Creativity and Innovation Management, 34(2), 427–442. DOI: https://doi.org/10.1111/caim.12649
7. KOTLER, P., KARTAJAYA, H., & SETIAWAN, I. (2021). Marketing 5.0: Technology for humanity. Wiley.
8. KOTLER, P., KARTAJAYA, H., & SETIAWAN, I. (2025). Marketing 6.0: Budoucnost ve znamení zážitků. Grada.
9. KOTLER, P., KARTAJAYA, H., & SETIAWAN, I. (2026). Marketing 7.0: A guide for thinking marketers in the age of AI. Wiley.
10. KÖNIG, W., SCHWARZ, L. a LÖBBE, S. 2025. Co-creating sustainability interventions in practice—coping with constitutive challenges of transdisciplinary collaboration in living labs. Sustainability, 17(16), 7197. DOI: https://doi.org/10.3390/su17167197
11. LEUNG, T. C. H., CHIU, W.-K., YOU, C. S.-X., & FONG, B. Y. F. (2023). Environmental, social and governance and sustainable development in healthcare. Springer Singapore. https://doi.org/10.1007/978-981-99-1564-4
12. RĂDULESCU, M. A., LEENDERTSE, W. a ARTS, J. 2022. Living Labs: A Creative and Collaborative Planning Approach. In: FRANKLIN, A., ed. Co-Creativity and Engaged Scholarship. Cham: Palgrave Macmillan. DOI: https://doi.org/10.1007/978-3-030-84248-2_15
13. SODHI, M. S., & TANG, C. S. (2012). Managing supply chain risk. Springer. https://doi.org/10.1007/978-1-4614-3238-8

Language of instruction:

Slovak

Notes:student time load:
120 hours including:
Combined study (P, S, K):
Teaching: 26 hours
Self-study: 24 hours
Project work and assignments: 70 hours

Course assessment
The final number of assessed students: 0

abs	n	p	v
0.0	0.0	0.0	0.0

Instructor: Ing. Lucia Dobrotová, PhD., Ing. Katarína Sýkorová, PhD., doc. Ing. Radoslav Kožiak, PhD., doc. Ing. Nikoleta Jakuš Muthová, PhD., doc. Ing. Mária Murray Svidroňová, PhD., doc. Ing. Denisa Malá, PhD.

Last changed: 05.05.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-212 | **Course name:** Practice in the IT Company 1

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

Number of credits: 3

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 13

abs	n	p	v
84.62	15.38	0.0	0.0

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD.

Last changed: 26.08.2015

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-117 | **Course name:** Practice in the IT Company 2

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

Number of credits: 3

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 48

A	B	C	D	E	FX(0)	FX(1)
77.08	6.25	4.17	4.17	0.0	6.25	2.08

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD.

Last changed: 26.08.2015

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-biu-303 | **Course name:** Prax zo zooterapie

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: 60s
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2.

Level: II.

Prerequisites: KBaES FPV/2d-biu-301/15

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

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: Mgr. Marcela Adamcová, PhD.

Last changed: 20.11.2024

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-213 | **Course name:** Programming of Mobile Applications

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

Number of credits: 4

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 28

A	B	C	D	E	FX(0)	FX(1)
50.0	14.29	7.14	17.86	10.71	0.0	0.0

Instructor:

Last changed: 22.08.2025

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-133 | **Course name:** Project for Master Thesis

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

Number of credits: 5

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 49

A	B	C	D	E	FX(0)	FX(1)
61.22	6.12	12.24	8.16	10.2	0.0	2.04

Instructor:

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-233 | **Course name:** Quantum Computing

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

Number of credits: 4

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 31

A	B	C	D	E	FX(0)	FX(1)
6.45	32.26	29.03	12.9	12.9	0.0	6.45

Instructor:

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-001 | **Course name:** Research project 3

Type, extent and method of instruction:
Form of instruction: Seminar
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 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., univ. doc., prof. RNDr. Vladimír Janiš, CSc., doc. RNDr. Zuzana Melichová, PhD., Mgr. Lenka Balážovičová, PhD., prof. Dr. Boris Tomášik, PhD., doc. PaedDr. Ján Stebila, PhD.

Last changed:

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-002 | **Course name:** Research project 4

Type, extent and method of instruction:
Form of instruction: Seminar
Course type: C (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods: 13
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 22

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., univ. doc., prof. RNDr. Vladimír Janiš, CSc., doc. RNDr. Zuzana Melichová, PhD., Mgr. Lenka Balážovičová, PhD., prof. Dr. Boris Tomášik, PhD., doc. PaedDr. Ján Stebila, PhD.

Last changed:

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 12-RSOA	**Course name:** Rozvojová spolupráca a občianska angažovanosť

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: 0 / 0
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2., 4.

Level: I., II.

Prerequisites:

Course completion conditions:
a) continuous assessment:
Project Proposal (SlovakAid Template): 0-80 points
b) final assessment:
Project Presentation: 0-20 points

Learning objectives:
Students:
1. understand the fundamental theoretical concepts and terminology related to development cooperation and international development, and understand their interrelationships and systemic connections;
2. are able to apply acquired knowledge when examining specific cases in the fields of development cooperation and international development, interpret findings, and draw relevant conclusions;
3. can critically assess the activities and roles of various actors in these fields, identify problematic aspects, and propose appropriate solutions or alternative approaches;
4. are capable of developing a development project proposal on a selected or assigned topic, applying theoretical knowledge, analytical skills, and the ability to design effective solutions to development challenges.

Brief outline of the course:
1. Terminology, instruments and forms of development assistance implementation, motivations for providing aid, and the economic significance of international development cooperation
2. Introduction to development project management
3. Major development challenges in Africa, Asia, and Latin America
4. Development assistance providers (official donors and emerging donors), international organizations and institutions engaged in development cooperation, and the SDGs
5. The development policy of the European Union
6. The role of the non-governmental organisations and private sector in international development cooperation
7. Development cooperation of the Slovak Republic – historical overview, institutional framework, territorial and sectoral priorities, and key challenges of Slovak development policy
8. Analysis of selected development projects implemented under the SlovakAid
9. Development diplomacy and its practical implementation

10. Aid for Trade, the Business Partnership Programme, and other development cooperation initiatives
11. Development project design and preparation
12. Presentations of development projects

Recommended literature:

ZHAO, J. (2023): International Development Cooperation: Theory, Practice, and Evaluation. ISBN 978-9811258879.
HASLAM, P. A. – SCHAFER, J. – BEAUDET, P. (2021): Introduction to International Development: Approaches, Actors, Issues, and Practice, 4th Edition. ISBN 978-0199036431.
DEVELTERE, P. – HUYSE, H. – VAN ONGEVALLE, J. (2021): International Development Cooperation Today: A Radical Shift Towards a Global Paradigm. ISBN 978-9462702615.
POTTER, R. et al. (2018): Geographies of Development. An Introduction to Development Studies, 4th Edition. ISBN 978-1138794306.
TODARO, M. P. – SMITH, S. C. (2020): Economic Development, 13th Edition. ISBN 978-1292291154.
KINGSBURY, D. et al. (2016): International Development. Issues and Challenges, 3rd Edition. ISBN 978-1-137-42940-7.
MINISTRY OF FOREIGN AND EUROPEAN AFFAIRS OF THE SLOVAK REPUBLIC (2025): Medium-Term Strategy for Development Cooperation of the Slovak Republic for 2025-2030.
Official websites SlovakAid, OECD, United Nations, European Union and others.

Language of instruction:
Slovak, English

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. Martina Bolečeková, PhD.

Last changed: 18.06.2026

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-149 | **Course name:** Seminar for Master Thesis

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

Number of credits: 3

Recommended semester/trimester: 4.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 42

A	B	C	D	E	FX(0)	FX(1)
73.81	11.9	9.52	4.76	0.0	0.0	0.0

Instructor:

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-199	**Course name:** State Exam. Diploma Thesis and its Defense, Colloquial Exam

Type, extent and method of instruction:
Form of instruction:
Course type: A (A - Compulsory courses, B - Compulsory elective courses, C - Elective courses)
Recommended number of periods:
Method of study: combined

Number of credits: 20

Recommended semester/trimester:

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 40

A	B	C	D	E	FX(0)	FX(1)
47.5	20.0	12.5	12.5	7.5	0.0	0.0

Instructor:

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-223 | **Course name:** Team Leading

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: 4

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 50

A	B	C	D	E	FX(0)	FX(1)
80.0	16.0	2.0	0.0	0.0	2.0	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD., PaedDr. Mgr. Vladimír Siládi, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-110 | **Course name:** Team Project 5

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

Number of credits: 3

Recommended semester/trimester: 1.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 18

abs	n	p	v
77.78	22.22	0.0	0.0

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD., Mgr. Michal Vagač, PhD., Mgr. Rudolf Kubík

Last changed: 26.08.2015

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-211 | **Course name:** Team Project 6

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

Number of credits: 3

Recommended semester/trimester: 2.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 14

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD., Mgr. Michal Vagač, PhD., Mgr. Rudolf Kubík

Last changed: 26.08.2015

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-fpv-116 | **Course name:** Team Project 7

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

Number of credits: 3

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 4

abs	n	p	v
0.0	100.0	0.0	0.0

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD., Mgr. Michal Vagač, PhD., Mgr. Rudolf Kubík

Last changed: 26.08.2015

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-vdsl-02 | **Course name:** The Great Works in World Literature II

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

Number of credits: 3

Recommended semester/trimester: 2., 4.

Level: II.

Prerequisites:

Course completion conditions:
The student prepares an essay in which he/she takes a position on the issue discussed.
The final assessment is passed/failed.

Learning objectives:
1. The student will obtain an adequate overview of the origin and functioning of selected representative literary works from several civilizational and cultural areas from medieval literature to contemporary literature; will improve in professional terminology.
2. The student will acquire the specific interpretation skills necessary when working with a literary text anchored in a radically different cultural environment, thereby strengthening tolerance towards cultural differences and the will to respect the right to be different.
3. The student is able to conduct research on the assigned topic, can identify reliable sources, select relevant information from them and present it to others in a clear and useful form.
4. The student will acquire an organized sum of knowledge and a more widely applicable set of useful habits, methods, approaches, competences applicable in the interpretation of literary and non-literary texts or other cultural phenomena from various cultural periods.

Brief outline of the course:
Some of the greatest works of the European literature from the Middle Ages to the present day will be presented. It will be a selective selection of the presentation of literary worlds and the values they created.
The Divine Comedy as the main work of the Middle Ages or the Renaissance? The Middle Ages as the "cradle" of European culture and education. Testaments enfant terrible. The spiciness of the Decameron and Laura's ephemerality. From Shakespeare to French classical drama. Playwrights and their (non)dramatic characters. Fairy tales that changed the world. Shock the bourgeois! Avant-gardes in world art. Literature as a place for women. On Freedom, Being and Apricot Cocktails: Existentialism in World Literature. Crazy for Life: The Beat Generation and Their Followers. Great works in small publishers.

Recommended literature:
1. BURKE, Peter. Kulturní historie. Dokořán, 2011.
2. MACURA, V. a kol.: Slovník světových literárních děl.
3. PIŠÚT, M.: Dejiny svetovej literatúry (I., II.).
4. Malá encyklopédia spisovateľov sveta

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

Language of instruction:
Slovak

Notes:student time load:
90 hours, of which 26 hours full-time, 64 hours self-study

Course assessment
The final number of assessed students: 78

abs	n	p	v
92.31	7.69	0.0	0.0

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

Last changed: 19.09.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-FS1-003 | **Course name:** University folklore ensemble 1

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

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 21

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: Mgr. art. Martin Urban, PhD.

Last changed: 04.04.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-UKO1-003	**Course name:** Univerzitný komorný orchester 1

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

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 5

abs	n	p	v
80.0	20.0	0.0	0.0

Instructor: Mgr. Pavel Martinka, PhD.

Last changed: 04.04.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-SPZ1-003 | **Course name:** Univerzitný spevácky zbor 1

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

Number of credits: 3

Recommended semester/trimester: 1., 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 19

abs	n	p	v
100.0	0.0	0.0	0.0

Instructor: Mgr. Pavel Martinka, PhD.

Last changed: 04.04.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 2d-ain-232 | **Course name:** Virtual and Augmented Reality

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

Number of credits: 4

Recommended semester/trimester: 3.

Level: II.

Prerequisites:

Course completion conditions:

Learning objectives:

Brief outline of the course:

Recommended literature:

Language of instruction:

Notes:student time load:

Course assessment
The final number of assessed students: 21

A	B	C	D	E	FX(0)	FX(1)
19.05	28.57	38.1	0.0	4.76	9.52	0.0

Instructor: doc. PaedDr. Patrik Voštinár, PhD.

Last changed: 24.01.2023

Approved by: prof. Dr. Ing. Miroslav Svítek, Dr.