Register

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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-111	Course name: Algorithms and Data Structures 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: 6

Recommended semester/trimester: 1.

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: 225

A	B	C	D	E	FX(0)	FX(1)
19.56	6.67	13.33	7.56	18.22	4.89	29.78

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD., doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 15.02.2022

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-121	Course name: Algorithms and Data Structures 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: 26 / 13
  Method of study: combined

Number of credits: 6

Recommended semester/trimester: 2.

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: 160

A	B	C	D	E	FX(0)	FX(1)
15.63	10.63	10.0	5.0	16.88	0.63	41.25

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD., doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-152	Course name: Bachelor Project

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: 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: 51

A	B	C	D	E	FX(0)	FX(1)
64.71	13.73	13.73	0.0	3.92	1.96	1.96

Instructor: doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica						
Faculty: Faculty of Natural Sciences						
Code: 1d-ain-257	**Course name:** Big Data Analysis					
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: 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: 4						
A	B	C	D	E	FX(0)	FX(1)
50.0	25.0	0.0	0.0	25.0	0.0	0.0
Instructor: Mgr. Adam Dudáš, PhD., doc. Ing. Ľudovít Trajteľ, PhD.						
Last changed: 15.12.2021						
Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-253	**Course name:** Cloud and High Performance Technologies and services

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: 39
 Method of study: combined

Number of credits: 4

Recommended semester/trimester: 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: 53

A	B	C	D	E	FX(0)	FX(1)
35.85	18.87	13.21	3.77	20.75	1.89	5.66

Instructor: Mgr. Michal Vagač, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-235	Course name: Computer Graphics

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 / 26
  Method of study: combined

Number of credits: 5

Recommended semester/trimester: 3.

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: 86

A	B	C	D	E	FX(0)	FX(1)
8.14	18.6	8.14	17.44	26.74	0.0	20.93

Instructor: Mgr. Michal Vagač, PhD., doc. Mgr. Ján Karabáš, PhD.

Last changed: 11.09.2023

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-114	Course name: Computer 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 / 13
 Method of study: combined

Number of credits: 6

Recommended semester/trimester: 1.

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: 212

A	B	C	D	E	FX(0)	FX(1)
27.83	18.4	17.45	11.32	12.74	6.6	5.66

Instructor: doc. Ing. Ľudovít Trajteľ, PhD.

Last changed: 07.09.2023

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-112	Course name: Computer Systems 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: 6

Recommended semester/trimester: 1.

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: 215

A	B	C	D	E	FX(0)	FX(1)
20.93	18.14	12.09	15.35	21.4	5.58	6.51

Instructor: doc. Ing. Ľudovít Trajteľ, PhD.

Last changed: 07.09.2023

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-242	Course name: Computer Systems 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 / 39 Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: I., P

Prerequisites: KIN FPV/1d-ain-112/21

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: 12

A	B	C	D	E	FX(0)	FX(1)
8.33	8.33	25.0	16.67	25.0	0.0	16.67

Instructor: doc. Ing. Ľudovít Trajteľ, PhD., doc. Mgr. Ján Karabáš, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-133	**Course name:** Database Systems 1

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

Number of credits: 4

Recommended semester/trimester: 3.

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: 114

A	B	C	D	E	FX(0)	FX(1)
14.04	12.28	15.79	21.05	15.79	1.75	19.3

Instructor: Mgr. Adam Dudáš, PhD., doc. Ing. Ľudovít Trajteľ, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-ain-244	**Course name:** Database Systems 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: 26 / 13
 Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: I., P

Prerequisites: KIN FPV/1d-ain-133/21

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: 58

A	B	C	D	E	FX(0)	FX(1)
18.97	10.34	25.86	15.52	10.34	5.17	13.79

Instructor: Mgr. Adam Dudáš, PhD., doc. Ing. Ľudovít Trajteľ, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-129	**Course name:** Design and Programming of Simple Robots

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 / 26
 Method of study: combined

Number of credits: 4

Recommended semester/trimester: 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: 18

A	B	C	D	E	FX(0)	FX(1)
22.22	0.0	16.67	0.0	11.11	22.22	27.78

Instructor: Mgr. Michal Vagač, PhD.

Last changed: 11.04.2016

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-255	**Course name:** Game Development and User Experience

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: 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: 48

A	B	C	D	E	FX(0)	FX(1)
50.0	12.5	2.08	12.5	16.67	6.25	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-124	**Course name:** Graph Algorithms

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: 6

Recommended semester/trimester: 2.

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: 151

A	B	C	D	E	FX(0)	FX(1)
7.28	7.95	7.95	11.92	20.53	7.95	36.42

Instructor: PaedDr. Patrik Voštinár, PhD., doc. Mgr. Ján Karabáš, PhD.

Last changed: 31.01.2024

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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 vlastníctví 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ain-251	**Course name:** Internet of Things

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: 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: 12

A	B	C	D	E	FX(0)	FX(1)
41.67	25.0	25.0	0.0	0.0	0.0	8.33

Instructor: doc. Ing. Ľudovít Trajteľ, PhD., RNDr. Miroslav Melicherčík, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-241	**Course name:** Introduction to Parallel Programming

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: 4.

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: 15

A	B	C	D	E	FX(0)	FX(1)
20.0	20.0	33.33	6.67	0.0	13.33	6.67

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

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ain-132	**Course name:** Introduction to Theoretical Computer Science

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: 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: 119

A	B	C	D	E	FX(0)	FX(1)
9.24	5.04	10.92	9.24	29.41	9.24	26.89

Instructor: doc. Mgr. Ján Karabáš, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-113	**Course name:** Mathematics for Informatics 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 / 39
 Method of study: combined

Number of credits: 6

Recommended semester/trimester: 1.

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: 220

A	B	C	D	E	FX(0)	FX(1)
15.45	13.18	16.36	15.45	14.55	2.73	22.27

Instructor: RNDr. Alžbeta Michalíková, PhD., doc. Mgr. Ján Karabáš, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-ain-123	**Course name:** Mathematics for Informatics 2

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

Number of credits: 6

Recommended semester/trimester: 2.

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: 156

A	B	C	D	E	FX(0)	FX(1)
8.97	7.69	17.95	12.82	19.23	17.31	16.03

Instructor: RNDr. Alžbeta Michalíková, PhD., doc. Mgr. Ján Karabáš, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ain-238	**Course name:** Modelling in Matlab

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: 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: 26

A	B	C	D	E	FX(0)	FX(1)
46.15	11.54	19.23	3.85	11.54	0.0	7.69

Instructor: doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences

Code: 1d-ain-115	**Course name:** Multimedia

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:** 39 **Method of study:** combined

Number of credits: 6

Recommended semester/trimester: 1.

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: 216

A	B	C	D	E	FX(0)	FX(1)
23.61	20.37	19.44	10.19	15.74	3.7	6.94

Instructor:

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-237	Course name: Numerical Methods

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: 3.

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: 24

A	B	C	D	E	FX(0)	FX(1)
37.5	12.5	12.5	4.17	16.67	0.0	16.67

Instructor: RNDr. Alžbeta Michalíková, PhD., doc. Mgr. Ján Karabáš, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-141	**Course name:** Operating Systems 1

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

Number of credits: 4

Recommended semester/trimester: 4.

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: 77

A	B	C	D	E	FX(0)	FX(1)
15.58	3.9	23.38	9.09	12.99	14.29	20.78

Instructor: doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-151	**Course name:** Operating Systems 2

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: 3

Recommended semester/trimester: 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: 59

A	B	C	D	E	FX(0)	FX(1)
20.34	16.95	20.34	8.47	20.34	8.47	5.08

Instructor: doc. Ing. Jarmila Škrinárová, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences

Code: 1d-fpv-127	**Course name:** Out-of-School Activities in Didactics of Informatics 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: 26s
Method of study: combined

Number of credits: 3

Recommended semester/trimester: 1.

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: 58

abs	n	p	v
75.86	24.14	0.0	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 11.04.2016

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-230	**Course name:** Out-of-School Activities in Didactics of Informatics 2

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: 26s
  Method of study: combined

Number of credits: 3

Recommended semester/trimester: 2.

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: 80

abs	n	p	v
78.75	21.25	0.0	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-133	**Course name:** Out-of-School Activities in Didactics of Informatics 3

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: 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: 47

abs	n	p	v
85.11	14.89	0.0	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.
Last changed: 23.09.2019
Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-134	**Course name:** Out-of-School Activities in Didactics of Informatics 4

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: 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: 25

abs	n	p	v
80.0	20.0	0.0	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-135	**Course name:** Out-of-School Activities in Didactics of Informatics 5

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: 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: 15

abs	n	p	v
66.67	33.33	0.0	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-fpv-136	Course name: Out-of-School Activities in Didactics of Informatics 6

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: 6.

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: 17

abs	n	p	v
58.82	41.18	0.0	0.0

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 23.09.2019

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-231	**Course name:** Principles of Smart Cities

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: 3.

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: 29

A	B	C	D	E	FX(0)	FX(1)
51.72	48.28	0.0	0.0	0.0	0.0	0.0

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

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-ain-153	**Course name:** Professional Practice 1

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: 10

Recommended semester/trimester: 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: 57

A	B	C	D	E	FX(0)	FX(1)
59.65	22.81	5.26	1.75	0.0	5.26	5.26

Instructor:

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ain-161	**Course name:** Professional Practice 2

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: 508s
 Method of study: combined

Number of credits: 20

Recommended semester/trimester: 6.

Level: I., P

Prerequisites: KIN FPV/1d-ain-153/21

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: 34

A	B	C	D	E	FX(0)	FX(1)
29.41	29.41	29.41	0.0	0.0	8.82	2.94

Instructor:

Last changed: 12.09.2023

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-122	Course name: Programming 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: 13 / 39 Method of study: combined

Number of credits: 6

Recommended semester/trimester: 2.

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: 146

A	B	C	D	E	FX(0)	FX(1)
13.01	13.7	17.12	15.07	12.33	23.29	5.48

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

Last changed: 18.05.2022

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences

Code: 1d-ain-131	**Course name:** Programming 2

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

Number of credits: 5

Recommended semester/trimester: 3.

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: 109

A	B	C	D	E	FX(0)	FX(1)
28.44	18.35	22.94	10.09	9.17	0.92	10.09

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

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-142	**Course name:** Programming 3

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: 39
 Method of study: combined

Number of credits: 4

Recommended semester/trimester: 4.

Level: I., P

Prerequisites: KIN FPV/1d-ain-131/21

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: 61

A	B	C	D	E	FX(0)	FX(1)
24.59	8.2	24.59	22.95	11.48	6.56	1.64

Instructor:

Last changed: 11.09.2023

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-505	**Course name:** SW Testing in Automotive

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: 4.

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
0.0	0.0

Instructor: Bc. Peter Petiaš

Last changed: 24.01.2024

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-ain-143	**Course name:** Semestral Project

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: 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: 66

A	B	C	D	E	FX(0)	FX(1)
42.42	21.21	18.18	6.06	6.06	0.0	6.06

Instructor:

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-247	Course name: Soft Computing

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: 4.

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: 4

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

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

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-144	**Course name:** Software Engineering

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

Number of credits: 4

Recommended semester/trimester: 4.

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: 68

A	B	C	D	E	FX(0)	FX(1)
30.88	29.41	5.88	7.35	11.76	5.88	8.82

Instructor: PaedDr. Mgr. Vladimír Siládi, PhD., doc. Ing. Ľudovít Trajteľ, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-ain-199	**Course name:** State 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: 10

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: 28

A	B	C	D	E	FX(1)
35.71	21.43	21.43	14.29	7.14	0.0

Instructor:

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-113	**Course name:** Team Project 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: 3.

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: 38

abs	n	p	v
78.95	21.05	0.0	0.0

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

Last changed: 27.08.2015

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-220	**Course name:** Team Project 2

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: 4.

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: 31

abs	n	p	v
64.52	35.48	0.0	0.0

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

Last changed: 27.08.2015

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	
Code: 1d-fpv-124	**Course name:** Team Project 3

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: 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: 19

abs	n	p	v
73.68	26.32	0.0	0.0

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

Last changed: 27.08.2015

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	
Faculty: Faculty of Natural Sciences	

Code: 1d-fpv-228	**Course name:** Team Project 4

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: 6.

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: 16

abs	n	p	v
93.75	6.25	0.0	0.0

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

Last changed: 27.08.2015

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-245	**Course name:** Technologies for 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: 4.

Level: I., P

Prerequisites: KIN FPV/1d-ain-115/21

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: 57

A	B	C	D	E	FX(0)	FX(1)
40.35	12.28	10.53	1.75	3.51	21.05	10.53

Instructor: PaedDr. Patrik Voštinár, PhD.

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-125	**Course name:** Web Technologies 1

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

Number of credits: 6

Recommended semester/trimester: 2.

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: 149

A	B	C	D	E	FX(0)	FX(1)
22.15	7.38	15.44	8.05	16.78	20.81	9.4

Instructor: PaedDr. Patrik Voštinár, PhD., Mgr. Michal Vagač, PhD., Mgr. Jozef Siláči, Mgr. Miroslav Randlisek

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica

Faculty: Faculty of Natural Sciences

Code: 1d-ain-233	Course name: Web Technologies 2

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: I., P

Prerequisites: KIN FPV/1d-ain-125/21

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: 94

A	B	C	D	E	FX(0)	FX(1)
24.47	20.21	25.53	9.57	7.45	4.26	8.51

Instructor: PaedDr. Patrik Voštinár, PhD., Ing. Robert Gallas, Mgr. Jozef Siláči

Last changed: 15.12.2021

Approved by: doc. Ing. Jarmila Škrinárová, PhD.

Course Description

University: Matej Bel University in Banská Bystrica	

Faculty: Faculty of Natural Sciences	

Code: 1d-ain-243	**Course name:** Web Technologies 3

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: 4.

Level: I., P

Prerequisites: KIN FPV/1d-ain-233/21

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: 55

A	B	C	D	E	FX(0)	FX(1)
25.45	3.64	25.45	20.0	16.36	9.09	0.0

Instructor: Mgr. Michal Vagač, PhD., Ing. Robert Gallas

Last changed: 11.09.2023

Approved by: doc. Ing. Jarmila Škrinárová, 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. Ing. Jarmila Škrinárová, PhD.