

Course descriptions

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STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-BIGE-956/22	Course title: Advanced Genetics
Number of credits: 2	
Educational level: II.	
State exam syllabus:	
Last change: 18.07.2022	
Approved by:	

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-BIGE-955/22	Course title: Advanced Molecular Biology
Number of credits: 2	
Educational level: II.	
State exam syllabus:	
Last change: 18.07.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-116/22		Course title: Advanced diploma thesis seminar (1)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 31					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc.					
Last change: 27.01.2023					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-117/22		Course title: Advanced diploma thesis seminar (2)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 10					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc.					
Last change: 27.01.2023					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-103/22		Course title: Advanced genetics (1) - Gene mapping and ontogenetics			
Educational activities: Type of activities: lecture Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 55					
A	B	C	D	E	FX
27,27	38,18	12,73	10,91	5,45	5,45
Lecturers: doc. RNDr. Vladimíra Džugasová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Lucia Mentelová, PhD., doc. Mgr. Miroslava Slaninová, Dr., prof. RNDr. Andrea Ševčovičová, PhD., doc. MUDr. Ing. Peter Celec, DrSc., Mgr. Stanislav Kyzek, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-110/22		Course title: Advanced genetics (2) - Mutagenesis and genotoxicology			
Educational activities: Type of activities: lecture Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 24					
A	B	C	D	E	FX
20,83	33,33	16,67	20,83	4,17	4,17
Lecturers: prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Miroslav Chovanec, PhD., RNDr. Miroslava Matúšková, PhD., RNDr. Alena Gábelová, CSc., RNDr. Zuzana Kozovská, PhD., Mgr. Andrea Bábelová, PhD., Ing. Martina Neboháčová, PhD., Mgr. Božena Smolková, PhD., RNDr. Eva Horváthová, PhD.					
Last change: 02.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-mBGE-113/22	Course title: Advanced genetics (3) - Quantitative, population and behavioral genetics
Educational activities: Type of activities: lecture Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 3.	
Educational level: II.	
Prerequisites:	
Course requirements: Obtaining at least 60% of points from the course evaluation. The assessment consists of two components: a group project and an individual written exam. A maximum of 20% of points can be obtained for the group project report and the presentation of the group project. The individual written test consists of theoretical questions and computational examples. To obtain grade A it is necessary to obtain at least 92% of points, to obtain grade B at least 85% of points, to obtain grade C at least 77% points, to obtain grade D at least 69% points and to obtain grade E at least 60% of the total course evaluation. Credits will not be awarded to a student who scores less than 60% of the points.	
Learning outcomes: Students will gain knowledge about genetic laws, evolutionary forces and their effects on populations of biological species. They will be able to use the acquired skills to determine what factors affect the structure and evolution of the population and to verify various evolutionary hypotheses by studying simple models. They will be able to use the acquired knowledge in the design and evaluation of experiments in which individuals forming populations at different levels of structure are evaluated. Based on the acquired knowledge, they will be able to monitor the evolution of populations, their divergence, the presence of selection, genetic distances, etc. The acquired knowledge can be used in the field of conservation biology in the protection of endangered species. Another goal of the course is that after completing the course, students understand the basic principles and methods of behavioral genetics, know how to use these principles in the study of behavior and have an idea of how to distinguish between different forms of behavioral genetic and non-genetic component. By completing the course, students should gain knowledge of the potential of genetics to understand issues related to cognition, emotions, personality. Ethical issues arising from some areas of behavioral genetics will also be discussed.	
Class syllabus: History of population genetics. Probability in population genetics. Genetic variability in populations, its sources: mutations, linkage and recombination, migration and their rates. Hardy-Weinberg's law. Neutral model, random genetic drift and Wright-Fisher model. Effective	

population size. Inbreeding. Neutral model and coalescent theory. Darwinian selection. Population substructure. Linkage and linkage disequilibrium. Genetics and analysis of quantitative traits, GWAS.

The course will also discuss topics in behavioral genetics, many of which will use the principles of quantitative and population genetics: the history of behavioral genetics, the design of genetic experiments aimed at studying behavior; heritability; methods for identifying genes involved in specific types of behavior; basic principles of cognitive biology; microorganisms as cognitive systems; behavioral genetics of insects, birds, mammals and primates; human behavioral genetics and its methodological tools; neurogenetics; learning and memory; general and specific cognitive abilities; cognitive disorders and their genetic basis; psychopathology and personality disorders; social behavior and its genetic component; genetic reasons for antisocial behavior; sexual orientation; evolutionary aspects of behavior and its genetic control.

Recommended literature:

1. Barton, N.H., Briggs, D.E.G., Eisen, J.A., Goldstein, D.B., Patel, N.H. Evolution. First Edition. Cold Spring Harbor Laboratory Press 2007.
2. Hamilton, M.B. Population Genetics. Second edition. Wiley-Blackwell Publication, Vivar Printing Sdn, Malaysia, 2012, 407 s. ISBN 978-1-4051-3277-0
3. Relichova, J. Genetika populací. Masarykova Univerzita Brno, 2009, 187 s. ISBN 978-80-210-475-2.
4. Hartl, D.L., Clark, A.G. Principles of Population Genetics. Third edition. Sinauer Associates, Inc, Publishers, Sunderland, Massachusetts, 1997, 542 s.
5. Wakeley, J. Coalescent Theory. An Introduction. Harvard University. Roberts & Company Publishers, Greenwood Willage, Colorado, 2009, 326 s.
6. Plomin, R., DeFries, J.C., McClearn, G., McGuffin, P. (2008). Behavioral genetics. 5th Edition. Worth Publishers and W.H. Freeman and Comp.
7. Anholt, R.R.H., Mackay, T.F.C. (2010). Principles of behavioral genetics. Academic Press.
8. Alcock, J. (2009). Animal behavior. 9th Edition. Sinauer Associates, Inc.
9. Bazzett, T.J. (2008). An introduction to behavioral genetics. Sinauer Associates, Inc.

Languages necessary to complete the course:

Slovak in combination with English (study literature in English)

Notes:

the course is provided only in the winter semester

Past grade distribution

Total number of evaluated students: 51

A	B	C	D	E	FX
1,96	25,49	31,37	25,49	15,69	0,0

Lecturers: Mgr. Katarína Bodřová, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. MUDr. Ing. Peter Celec, DrSc., RNDr. Boris Bilčík, PhD., RNDr. Dušan Žitňan, DrSc.

Last change: 22.09.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-106/22		Course title: Advanced practicals in genetics (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 57					
A	B	C	D	E	FX
96,49	3,51	0,0	0,0	0,0	0,0
Lecturers: RNDr. Regina Sepšiová, PhD., Mgr. Katarína Procházková, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Ivana Kyzeková, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-115/22		Course title: Advanced seminar 1			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 51					
A	B	C	D	E	FX
66,67	21,57	9,8	1,96	0,0	0,0
Lecturers: doc. Mgr. Miroslava Slaninová, Dr., Mgr. Filip Červenák, PhD., Mgr. Stanislav Kyzek, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-131/22		Course title: Animal genetics			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2., 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 20					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. Mgr. Miroslava Slaninová, Dr., Mgr. Lucia Mentelová, PhD., Mgr. Martina Gálíková, PhD., Mgr. Peter Klepsatel, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-132/22		Course title: Applied Genetics			
Educational activities: Type of activities: lecture Number of hours: per week: 1 per level/semester: 14 Form of the course: on-site learning					
Number of credits: 1					
Recommended semester: 2., 4.					
Educational level: II.					
Prerequisites: PriF.KGe/N-mBGE-103/22 - Advanced genetics (1) - Gene mapping and ontogenetics and PriF.KGe/N-mBGE-110/22 - Advanced genetics (2) - Mutagenesis and genotoxicology					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 32					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-mCBI-127/22		Course title: Basics of Neurobiology			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 51					
A	B	C	D	E	FX
94,12	5,88	0,0	0,0	0,0	0,0
Lecturers: MUDr. RNDr. Dominika Fričová, PhD.					
Last change: 27.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KAn/N-XXXX-005/21		Course title: Bioarchaeology			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1., 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1110					
A	B	C	D	E	FX
75,23	11,17	5,95	2,79	0,81	4,05
Lecturers: doc. RNDr. Radoslav Beňuš, PhD., Mgr. Silvia Bodoriková, PhD., prof. Mgr. Viktor Černý, Dr.					
Last change: 07.11.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-128/22		Course title: Cell and molecular biology of the yeast			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 42 / 28 Form of the course: on-site learning					
Number of credits: 6					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 43					
A	B	C	D	E	FX
69,77	20,93	4,65	2,33	0,0	2,33
Lecturers: doc. RNDr. Vladimíra Džugasová, PhD.					
Last change: 22.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-mCBI-120/22		Course title: Crystallography of Proteins and Nucleic Acids			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 3					
A	B	C	D	E	FX
33,33	33,33	33,33	0,0	0,0	0,0
Lecturers: RNDr. Ľubica Urbániková, CSc.					
Last change: 27.07.2022					
Approved by:					

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-mOBH-100/22	Course title: Defence of diploma thesis
Number of credits: 10	
Educational level: II.	
State exam syllabus:	
Last change: 18.07.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-078/22		Course title: Deutsch für Naturwissenschaftler A1 (začiatočníci)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 23					
A	B	C	D	E	FX
95,65	0,0	0,0	0,0	0,0	4,35
Lecturers: Mgr. Karin Rózsová Wolfová					
Last change: 24.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-080/22		Course title: Deutsch für Naturwissenschaftler A2 (začiatocníci)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 14					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová					
Last change: 24.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-079/22		Course title: Deutsch für Naturwissenschaftler B1 (pokročilí)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 15					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová					
Last change: 24.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-081/22		Course title: Deutsch für Naturwissenschaftler B2 (pokročilí)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 5					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová					
Last change: 24.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-118/22		Course title: Diploma project (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 8 per level/semester: 112 Form of the course: on-site learning					
Number of credits: 8					
Recommended semester: 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 51					
A	B	C	D	E	FX
92,16	5,88	1,96	0,0	0,0	0,0
Lecturers: doc. Mgr. Miroslava Slaninová, Dr., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Vladimíra Džugasová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Katarína Gaplovská, PhD., Mgr. Lucia Mentelová, PhD., RNDr. Regina Sepšiová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Silvia Bágeľová Poláková, PhD., Mgr. Katarína Procházková, PhD., Mgr. Filip Červenák, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Ivana Kyzeková, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-119/22		Course title: Diploma project (2)			
Educational activities: Type of activities: practicals Number of hours: per week: 12 per level/semester: 168 Form of the course: on-site learning					
Number of credits: 12					
Recommended semester: 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 52					
A	B	C	D	E	FX
92,31	0,0	3,85	0,0	1,92	1,92
Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Vladimíra Džugasová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Katarína Gaplovská, PhD., Mgr. Lucia Mentelová, PhD., RNDr. Regina Sepšiová, PhD., doc. Mgr. Miroslava Slaninová, Dr., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Silvia Bágeľová Poláková, PhD., Mgr. Katarína Procházková, PhD., Mgr. Filip Červenák, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Ivana Kyzeková, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-126/22		Course title: Diploma thesis practicals 1			
Educational activities: Type of activities: practicals Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 54					
A	B	C	D	E	FX
92,59	7,41	0,0	0,0	0,0	0,0
Lecturers: Mgr. Silvia Bágeľová Poláková, PhD., Mgr. Katarína Procházková, PhD., RNDr. Regina Sepšiová, PhD., Mgr. Filip Červenák, PhD., doc. Mgr. Miroslava Slaninová, Dr., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Ivana Kyzeková, PhD., doc. RNDr. Vladimíra Džugasová, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Eliška Gálová, PhD., Mgr. Katarína Gaplovská, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Lucia Mentelová, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-127/22		Course title: Diploma thesis practicals 2			
Educational activities: Type of activities: practicals Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 23					
A	B	C	D	E	FX
95,65	4,35	0,0	0,0	0,0	0,0
Lecturers: Mgr. Silvia Bágeľová Poláková, PhD., RNDr. Regina Sepšiová, PhD., Mgr. Filip Červenák, PhD., doc. Mgr. Miroslava Slaninová, Dr., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Ivana Kyzeková, PhD., doc. RNDr. Vladimíra Džugasová, PhD., Mgr. Stanislav Kyzek, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Eliška Gálová, PhD., Mgr. Katarína Gaplovská, PhD., Mgr. Lucia Mentelová, PhD., Mgr. Katarína Procházková, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-076/22		Course title: EAP 1/English for Academic Purposes			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 173					
A	B	C	D	E	FX
87,28	10,4	1,16	0,0	0,0	1,16
Lecturers: PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
Last change: 26.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-077/22		Course title: EAP 2/English for Academic Purposes			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 139					
A	B	C	D	E	FX
89,21	7,91	0,72	0,72	0,0	1,44
Lecturers: PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
Last change: 26.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-122/22		Course title: Excursion for Genetics			
Educational activities: Type of activities: excursion Number of hours: per week: per level/semester: 2d Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2., 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 41					
A	B	C	D	E	FX
97,56	0,0	0,0	0,0	0,0	2,44
Lecturers: doc. RNDr. Eliška Gálová, PhD., RNDr. Regina Sepšiová, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-mBGE-130/22	Course title: Frontiers in genetics and molecular biology/Aktuálne výzvy genetiky a molekulárnej biológie
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning	
Number of credits: 2	
Recommended semester: 1., 3.	
Educational level: II.	
Prerequisites:	
Course requirements: Active participation at the sessions, discussions within the group of students and with the teacher. At the end of the course the student will write a short minireview on the topic selected from those discussed during the semester. The minireview will be handed to the teacher in an electronic form one week prior the oral exam, i.e. discussion about the minireview and the chosen topic. Weights of the parts of the exam: 50% minireview – 50% oral exam. For passing the exam it is necessary to gain at least 50% of the points. Grading: 60-69 % = E; 69-77 % = D; 77-85 % = C; 85-92 % = B; 92-100 % = A. The course is provided on-site. If on-site form is not possible, the course will be provided online.	
Learning outcomes: Active participation at the sessions, discussions within the group of students and with the teacher. At the end of the course the student will write a short minireview on the topic selected from those discussed during the semester. The minireview will be handed to the teacher in an electronic form one week prior the oral exam, i.e. discussion about the minireview and the chosen topic. Weights of the parts of the exam: 50% minireview – 50% oral exam. For passing the exam it is necessary to gain at least 50% of the points. Grading: 51-60%=E; 61-70%=D; 71-80%=C; 81-90%=B; 91-100%=A. The course is provided on-site. If on-site form is not possible, the course will be provided online.	
Class syllabus: As a source of the presentations, we will employ a web portal iBiology.org, containing a large database of exciting talks from prominent speakers (including Nobel prize winners). The talks are separated into 2-3 parts, and they are usually accompanied by English subtitles that make it easier to follow the speaker. The first part presents a general introduction into the field, the subsequent parts are dedicated to the experimental results usually leading to important discoveries. The teacher will provide links to the corresponding talks. The students will be asked to watch the first (general) part at home. Teacher will post a list of questions related to the talk before the corresponding session. It is expected that the students will prepare their own list of questions. At the beginning of each session the whole group will watch the second part of the talk (30-45 min depending on the talk). Then the students will discuss their questions and comments within	

groups (3-6 students per group, 15 min). The teacher will then moderate the discussion and answer students' questions (if possible). Combining all the above activities will have at least two major benefits: We will (1) learn new things from contemporary molecular and cell biology and (2) train the discussion in scientific English. The course will employ a combination of five essential learning tools: (1) choice; (2) collaboration; (3) communication; (4) critical thinking; and (at least to some extent) (5) creativity. Examples of the topics: The molecular biology of gene regulation; Mechanisms of chromosomal DNA replication; Epigenetics: Why your DNA isn't enough; Consequences of aneuploidy; Protein folding, prions and disease; Self-organization in biology; The evolutionary design of proteins; Telomeres and human disease; Protein localisation inside cells; Understanding cell shape; mTOR and the regulation of growth; Cell cycle regulation; The spatial organization of bacterial cells; Mitochondria, metabolism, and cell behavior; The secretory pathway; The ubiquitin-proteasome system; Kinetochore and chromosome segregation; Yeast sex; The genetic basis of evolutionary change in morphology; Genetics of aging; Neurodegenerative disease: The coming epidemic; Genes, the brain, and behavior.

Recommended literature:

Alberts, B., Johnson, A., Lewis, J., Raff, M., Roberts, K., Walter, P. (2008). Molecular Biology of the Cell, 5th Edition, Garland Publishing.

Lodish, H., Berk, A., Keiser, C.A., Krieger, M., Scott, M.P., Bretcher, A., Ploegh, H., Matsudaira, P. (2007). Molecular Cell Biology. 6th Edition, W.H. Freeman.

Educational portal: www.ibiology.org

The web site of the Nobel Prize: www.nobelprize.org

Languages necessary to complete the course:

English

Notes:

The additional material for the course is available at moodle.uniba.sk. The online discussions, if necessary, will be held in a dedicated MS Teams course. The course replaces Introduction to Molecular Biology.

Past grade distribution

Total number of evaluated students: 10

A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0

Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc.

Last change: 22.09.2022

Approved by:

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-XXXX-004/21		Course title: Genetics for everyone			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2., 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1090					
A	B	C	D	E	FX
92,84	0,92	0,0	0,0	0,0	6,24
Lecturers: RNDr. Regina Sepšiová, PhD., doc. Mgr. Miroslava Slaninová, Dr., Mgr. Filip Červenák, PhD., prof. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Stanislav Kyzek, PhD.					
Last change: 15.05.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KBCh/N-mCBI-119/22	Course title: Genomics
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning	
Type, volume, methods and workload of the student - additional information Form of Study: lecture Number of contact hours: per week: 2 per level/semester: 26 Form of the course: on-site learning, remote	
Number of credits: 2	
Recommended semester: 2.	
Educational level: II.	
Prerequisites:	
Course requirements: There will be a written test during the examination period of the semester. The grading scale is as follows: A – 92%, B – 84%, C – 76%, D – 68%, E – 60%. Credits will not be awarded to a student who gets less than 60% from the test. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: During the course, students will gain an overview of experimental strategies that allow them to determine the complete sequences of genomes, identify and annotate genes and then examine their biological functions. After completing the course, students will learn the basics of genomics, transcriptomics, proteomics, interactomics, epigenomics, systems and synthetic biology, functional and comparative analysis of complete genomes and get acquainted with the importance of these disciplines for modern biomedical research and biotechnological applications.	
Class syllabus: Genomics and its importance for modern biomedical research. From individual genes to complete genomes. Physical genome mapping techniques. Experimental strategies for complete genome sequencing projects (from bacterial genomes to human genomes). Genomics and personalized medicine. "Personal genomes" and ethical aspects of genomics. Personalized therapy. Molecular phylogenomics. Paleogenomics. Metagenomics. Determination of DNA sequences of complex biological communities. Analysis of the dynamics of microorganism communities. New approaches in DNA sequencing technology. From chemical and enzymatic methods to automatic DNA analyzers. Nucleic acid sequencing methods by SBS, SBL and SBH approaches. Nanopore sequencing.	

Principles of annotation and sequence analysis of complete genomes. Categorization of genes and functional elements in genomes. Bioinformatics principles of identification of new genes. Genes and genomic databases and datamining. Comparative and evolutionary genomics. Evolutionary processes taking place at the genome level. Functional analysis of complete genomes. Principles of transcriptome and proteome analysis. Epigenomics. Introduction to systems biology and mathematical modeling. Biological systems as computer models. Fundamentals of mathematical models in biology. Synthetic biology. The concept of minimal genome. Methods of synthetic biology. DNA synthesis strategies, from oligonucleotide preparation to genome synthesis. Synthetic microorganisms. Biotechnological applications of synthetic organisms.																	
Recommended literature: Nosek, J. a kol. (2013) Genomics (in Slovak). CreateSpace Independent Publishing Platform. Brown, T.A. (2002) Genomes. 2nd. edition. Garland Science. Watson, J.D. a kol. (2007) Recombinant DNA: Genes and Genomes – A short course. 3rd edition. CSHL Press.																	
Languages necessary to complete the course: Slovak in combination with English (textbooks in English)																	
Notes: the course is provided only in the summer semester																	
Past grade distribution Total number of evaluated students: 16 <table border="1"> <thead> <tr> <th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>FX</th></tr> </thead> <tbody> <tr> <td>31,25</td><td>31,25</td><td>12,5</td><td>0,0</td><td>12,5</td><td>12,5</td></tr> </tbody> </table>						A	B	C	D	E	FX	31,25	31,25	12,5	0,0	12,5	12,5
A	B	C	D	E	FX												
31,25	31,25	12,5	0,0	12,5	12,5												
Lecturers: prof. RNDr. Jozef Nosek, DrSc., Mgr. Peter Baráth, PhD., doc. Mgr. Bronislava Brejová, PhD., Mgr. Jaroslav Budiš, PhD., doc. Mgr. Richard Kollár, PhD., Ing. Martina Neboháčová, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Ivan Valent, CSc., doc. Mgr. Tomáš Vinař, PhD.																	
Last change: 07.10.2022																	
Approved by:																	

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KRGRR/N-XXXX-001/21		Course title: Geography of the World in the 21.st century			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2., 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 88					
A	B	C	D	E	FX
81,82	4,55	5,68	1,14	1,14	5,68
Lecturers: Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Gurňák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., Mgr. Martin Šveda, PhD., prof. RNDr. Ladislav Tolmáči, PhD., RNDr. Mgr. Anna Tolmáči, PhD., Mgr. Gabriel Zubriczký, PhD.					
Last change: 15.05.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGP/N-XXXX-007/21		Course title: Geology in Nutshell			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 1 / 2 per level/semester: 14 / 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2., 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 44					
A	B	C	D	E	FX
86,36	0,0	0,0	0,0	11,36	2,27
Lecturers: prof. RNDr. Roman Aubrecht, Dr., prof. Mgr. Natália Hlavatá Hudáčková, PhD., doc. RNDr. Jozef Hók, CSc., prof. RNDr. Michal Kováč, DrSc., RNDr. Alexander Lačný, PhD., doc. RNDr. Jana Fridrichová, PhD., RNDr. Ondrej Nemec, PhD.					
Last change: 20.01.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KPI/N-XXXX-009/21		Course title: Global Environmental Issues			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2., 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 555					
A	B	C	D	E	FX
90,27	0,0	0,54	0,0	0,0	9,19
Lecturers: doc. RNDr. Katarína Pavličková, CSc., prof. RNDr. Pavel Dlapa, PhD., RNDr. Martina Zvaríková, PhD., doc. RNDr. Ľubomír Jurkovič, PhD.					
Last change: 09.11.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KEM/N-mXXX-003/22		Course title: Green University 1			
Educational activities: Type of activities: practicals / seminar Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 2., 3., 4., 5., 6..					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 25					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD., RNDr. Hubert Žarnovičan, PhD.					
Last change: 24.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KEM/N-mXXX-004/22		Course title: Green University 2			
Educational activities: Type of activities: practicals / seminar Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 2., 3., 4., 5., 6..					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 10					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: RNDr. Jaroslav Bella, doc. Mgr. Miroslava Slaninová, Dr., Mgr. Martin Šebesta, PhD., RNDr. Hubert Žarnovičan, PhD.					
Last change: 24.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KMB/N-mBMO-105/22		Course title: Human Molecular Genetics			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 42 / 28 Form of the course: on-site learning					
Number of credits: 6					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 41					
A	B	C	D	E	FX
19,51	17,07	21,95	19,51	12,2	9,76
Lecturers: doc. Mgr. Andrej Ficek, PhD., prof. RNDr. Ľudevít Kádaši, DrSc., doc. Mgr. Andrea Šoltýsová, PhD., Mgr. Marián Baldovič, PhD., doc. MUDr. Ing. Peter Celec, DrSc., doc. RNDr. Ján Radvánszky, PhD.					
Last change: 24.07.2022					
Approved by:					

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-BIGE-957/22	Course title: Human and animal molecular biology and genetics
Number of credits: 1	
Educational level: II.	
State exam syllabus:	
Last change: 18.07.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KPI/N-XXXX-008/21		Course title: Man as a part of the nature			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1., 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 954					
A	B	C	D	E	FX
90,04	0,1	0,0	0,0	0,1	9,75
Lecturers: RNDr. Martina Zvaríková, PhD., prof. RNDr. Pavel Dlapa, PhD., RNDr. Malvína Reiffers Čierniková, PhD., prof. RNDr. Elena Masarovičová, DrSc., prof. PaedDr. Pavol Prokop, DrSc., prof. RNDr. Peter Fedor, DrSc., prof. Ing. Eva Chmielewská, CSc., RNDr. Martin Labuda, PhD., doc. RNDr. Eva Pauditšová, PhD., RNDr. Hubert Žarnovičan, PhD., doc. RNDr. Stanislav Rapant, DrSc., doc. RNDr. Ľubomír Jurkovič, PhD., doc. Mgr. Tomáš Lánczos, PhD., doc. RNDr. Katarína Pavličková, CSc.					
Last change: 09.11.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF-FMFI.KI/2-AIN-501/00	Course title: Methods in Bioinformatics
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning	
Number of credits: 6	
Recommended semester: 1., 3.	
Educational level: I., II.	
Prerequisites:	
Antirequisites: FMFI.KAI+KI/1-BIN-301/15	
Course requirements: Homework assignments (30%), group project (10%), individual project (40%), weekly quizzes (10%), activity at practicals (10%). Grades: A 90%, B 80%, C 70%, D 60%, E 50%. More information on the course website. Scale of assessment (preliminary/final): 100/0	
Learning outcomes: Students will be familiar with basic problems and methods in bioinformatics; they will be able to choose an appropriate method for a given biological problem and to interpret its results.	
Class syllabus: Basic concepts from probability, algorithms and machine learning. Sequencing and assembling genomes. Gene finding. Sequence alignment. Evolutionary models and phylogenetic trees. Comparative and population genomics. RNA structure. Motif finding and gene expression analysis. Protein structure and function. Selected current topics. Life science students will focus on understanding and correct application of these methods on real data.	
Recommended literature: Biological sequence analysis : Probabilistic models of proteins and nucleic acids / Richard Durbin ... [et al.]. Cambridge : Cambridge University Press, 1998 Understanding bioinformatics / Marketa Zvelebil, Jeremy O. Baum. New York : Garland Science, 2008	
Languages necessary to complete the course: Slovak, English	
Notes:	

Past grade distribution					
Total number of evaluated students: 97					
A	B	C	D	E	FX
45,36	24,74	16,49	8,25	4,12	1,03
Lecturers: doc. Mgr. Bronislava Brejová, PhD., doc. Mgr. Tomáš Vinař, PhD.					
Last change: 27.10.2023					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-mCBI-107/22		Course title: Molecular Biology of the Cell (2)			
Educational activities: Type of activities: lecture Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 29					
A	B	C	D	E	FX
10,34	27,59	10,34	27,59	17,24	6,9
Lecturers: doc. Mgr. Peter Polčic, PhD., Mgr. Katarína Gaplovská, PhD., doc. RNDr. Marek Mentel, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Ivan Valent, CSc., doc. RNDr. Igor Zeman, PhD.					
Last change: 12.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-mCBI-118/22		Course title: Molecular Biology of the Cell (2) - Seminar			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 34					
A	B	C	D	E	FX
52,94	38,24	5,88	0,0	0,0	2,94
Lecturers: doc. Mgr. Peter Polčic, PhD., Mgr. Filip Červenák, PhD., Mgr. Katarína Gaplovská, PhD.					
Last change: 12.09.2022					
Approved by:					

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-BIGE-959/22	Course title: Molecular biology and genetics of microorganisms
Number of credits: 1	
Educational level: II.	
State exam syllabus:	
Last change: 18.07.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-101/22		Course title: Molecular biology of the cell (1)			
Educational activities: Type of activities: lecture Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 5					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 66					
A	B	C	D	E	FX
22,73	22,73	9,09	15,15	22,73	7,58
Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc., prof. RNDr. Jozef Nosek, DrSc., Ing. Martina Neboháčová, PhD., doc. RNDr. Igor Zeman, PhD.					
Last change: 22.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJCh/N-XXXX-011/21		Course title: Perspectives in Chemistry			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 36					
A	B	C	D	E	FX
27,78	41,67	13,89	2,78	0,0	13,89
Lecturers: RNDr. Marek Cigáň, PhD., doc. RNDr. Martin Putala, CSc., prof. Ing. Dušan Velič, DrSc., prof. RNDr. Ivan Černušák, DrSc., doc. RNDr. Erik Rakovský, PhD., Mgr. Peter Hrobárik, PhD., doc. RNDr. Oľga Roszkopfová, PhD.					
Last change: 07.11.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-XXXX-010/22		Course title: Perspectives of Biochemistry			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2., 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 96					
A	B	C	D	E	FX
93,75	0,0	0,0	0,0	0,0	6,25
Lecturers: doc. RNDr. Marek Mentel, PhD., Mgr. Filip Brázdovič, PhD., Mgr. Andrea Cillingová, PhD., prof. RNDr. Anton Horváth, CSc., Mgr. Stanislav Huszár, PhD., Mgr. Petra Chovančíková, PhD., prof. RNDr. Marta Kollárová, DrSc., doc. RNDr. Jana Korduláková, PhD., prof. RNDr. Katarína Mikušová, DrSc., Ing. Martina Neboháčová, PhD., doc. Mgr. Peter Polčic, PhD., RNDr. Ingrid Sveráková, PhD., doc. RNDr. Igor Zeman, PhD., Mgr. Júlia Zemanová, PhD.					
Last change: 19.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mXTV-107/22		Course title: Physical Education			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 219					
A	B	C	D	E	FX
95,89	0,46	0,0	0,91	0,46	2,28
Lecturers: Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mXTV-110/22		Course title: Physical Education 10			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 176					
A	B	C	D	E	FX
97,73	0,57	0,57	0,0	0,0	1,14
Lecturers: Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mXTV-108/22		Course title: Physical Education 8			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 133					
A	B	C	D	E	FX
96,99	0,75	0,0	0,0	0,0	2,26
Lecturers: Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mXTV-109/22		Course title: Physical Education 9			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 245					
A	B	C	D	E	FX
97,55	0,0	0,41	0,0	0,0	2,04
Lecturers: Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Ján Krošlák, Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, PaedDr. Vladimír Pajkoš, Mgr. Dana Szélllová, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-129/22		Course title: Plant Genes Manifestations			
Educational activities: Type of activities: practicals / lecture Number of hours: per week: 3 / 2 per level/semester: 42 / 28 Form of the course: on-site learning					
Number of credits: 6					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 7					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Stanislav Kyzek, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Monika Bathóová, PhD., doc. Mgr. Boris Bokor, PhD., doc. Mgr. Viktor Demko, PhD., doc. Mgr. Michal Martinka, PhD.					
Last change: 18.07.2022					
Approved by:					

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KGe/N-BIGE-958/22	Course title: Plant molecular biology and genetics
Number of credits: 1	
Educational level: II.	
State exam syllabus:	
Last change: 18.07.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBo/N-XXXX-003/21		Course title: Plants known and unknown			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1., 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 839					
A	B	C	D	E	FX
63,77	24,43	6,2	0,0	2,38	3,22
Lecturers: Ing. Mgr. Eva Zahradníková, PhD., doc. Mgr. Katarína Mišíková, PhD., doc. RNDr. Jana Ščevková, PhD.					
Last change: 30.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KRGRR/N-XXXX-002/21		Course title: Practical Geography for Natural Scientists			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 1 / 1 per level/semester: 14 / 14 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1., 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 58					
A	B	C	D	E	FX
84,48	0,0	0,0	0,0	0,0	15,52
Lecturers: Mgr. Rastislav Cákoci, PhD., RNDr. Katarína Danielová, PhD., doc. RNDr. Daniel Gurňák, PhD., doc. RNDr. František Križan, PhD., doc. RNDr. Eva Rajčáková, CSc., Mgr. Michala Sládeková Madajová, PhD., RNDr. Angelika Švecová, PhD., Mgr. Martin Šveda, PhD., prof. RNDr. Ladislav Tolmáči, PhD., RNDr. Mgr. Anna Tolmáči, PhD., Mgr. Gabriel Zubriczký, PhD.					
Last change: 15.05.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KIHG/N-XXXX-012/21		Course title: Practical Geology for Everyone			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1., 3.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 185					
A	B	C	D	E	FX
77,3	7,57	4,32	3,24	1,08	6,49
Lecturers: doc. RNDr. Renáta Fláková, PhD., doc. RNDr. Renáta Adamcová, PhD., prof. RNDr. Roman Pašteka, PhD., prof. RNDr. Martin Bednarik, PhD., doc. RNDr. Dávid Krčmář, PhD., doc. RNDr. Andrej Mojzeš, PhD., RNDr. Ivana Ondrejková, PhD., doc. Mgr. Vladimír Greif, PhD., Mgr. Rudolf Tornyai, PhD., RNDr. Tatiana Durmeková, PhD., Mgr. Martin Zatlakovič, PhD., doc. RNDr. Milan Seman, CSc.					
Last change: 18.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-107/22		Course title: Pre-diploma practice			
Educational activities: Type of activities: practicals Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 28					
A	B	C	D	E	FX
60,71	25,0	10,71	0,0	0,0	3,57
Lecturers: Mgr. Lucia Mentelová, PhD., prof. RNDr. Andrea Ševčovičová, PhD., RNDr. Regina Sepšiová, PhD., doc. RNDr. Vladimíra Džugasová, PhD., doc. RNDr. Eliška Gálová, PhD., Mgr. Katarína Juríková, PhD., Mgr. Ivana Kyzeková, PhD., Mgr. Stanislav Kyzek, PhD.					
Last change: 14.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-125/22		Course title: Pre-diploma training			
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 3t Form of the course: on-site learning					
Number of credits: 4					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 22					
A	B	C	D	E	FX
95,45	4,55	0,0	0,0	0,0	0,0
Lecturers: Mgr. Katarína Procházková, PhD., Mgr. Silvia Bágeľová Poláková, PhD., RNDr. Regina Sepšiová, PhD., Mgr. Filip Červenák, PhD., doc. Mgr. Miroslava Slaninová, Dr., prof. RNDr. Andrea Ševčovičová, PhD., Mgr. Ivana Kyzeková, PhD., doc. RNDr. Vladimíra Džugasová, PhD., prof. RNDr. Ľubomír Tomáška, DrSc., doc. RNDr. Eliška Gálová, PhD., Mgr. Katarína Gaplovská, PhD., Mgr. Stanislav Kyzek, PhD., Mgr. Lucia Mentelová, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-mCBI-114/22		Course title: Principles of Molecular Immunology			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 45					
A	B	C	D	E	FX
35,56	37,78	22,22	4,44	0,0	0,0
Lecturers: Mgr. Vladimír Leksa, PhD.					
Last change: 27.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mXTV-112/22		Course title: River rafting			
Educational activities: Type of activities: other Number of hours: per week: per level/semester: 3d Form of the course: on-site learning					
Number of credits: 1					
Recommended semester: 2., 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 21					
A	B	C	D	E	FX
90,48	0,0	0,0	0,0	0,0	9,52
Lecturers: PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-114/22		Course title: Selected topics from genetics			
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 11					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Katarína Procházková, PhD.					
Last change: 23.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-104/22		Course title: Seminar 1			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 57					
A	B	C	D	E	FX
98,25	1,75	0,0	0,0	0,0	0,0
Lecturers: RNDr. Regina Sepšiová, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-105/22		Course title: Seminar 2			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 51					
A	B	C	D	E	FX
98,04	0,0	0,0	0,0	0,0	1,96
Lecturers: doc. RNDr. Vladimíra Džugasová, PhD.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-100/22		Course title: Seminar from molecular biology of the cell (1)			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 62					
A	B	C	D	E	FX
67,74	29,03	1,61	0,0	0,0	1,61
Lecturers: Ing. Martina Neboháčová, PhD., RNDr. Regina Sepšiová, PhD., Mgr. Katarína Gaplovská, PhD.					
Last change: 02.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KGe/N-mBGE-120/22		Course title: Special seminar 2			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 51					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Ľubomír Tomáška, DrSc.					
Last change: 18.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mUXX-204/22		Course title: Summer Physical-Education Training			
Educational activities: Type of activities: other Number of hours: per week: per level/semester: 7d Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2., 4.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 6					
A	B	C	D	E	FX
66,67	0,0	0,0	0,0	0,0	33,33
Lecturers: Mgr. Kristína Vanýsková, PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KZ/N-XXXX-006/21		Course title: Theory of species			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 2., 4.					
Educational level: I., II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 179					
A	B	C	D	E	FX
63,69	13,41	3,91	1,12	0,56	17,32
Lecturers: doc. Mgr. Peter Vďačný, PhD.					
Last change: 07.11.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-084/22		Course title: UNIcert Deutsch 1			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 4					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová					
Last change: 24.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-085/22		Course title: UNIcert Deutsch 2			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 1					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Karin Rózsová Wolfová					
Last change: 24.07.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-082/22		Course title: UNICert English 1			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 82					
A	B	C	D	E	FX
86,59	4,88	2,44	3,66	0,0	2,44
Lecturers: PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
Last change: 26.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KJ/N-mXCJ-083/22		Course title: UNICert English 2			
Educational activities: Type of activities: seminar Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 73					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PhDr. Štefánia Dugovičová, PhD., Mgr. Lenka Jeleňová, Mgr. Barbara Kordíková, PhD., PaedDr. Stanislav Kováč, PhD., RNDr. Tatiana Slováková, PhD.					
Last change: 26.09.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mUXX-203/22		Course title: Winter Physical-Education Training			
Educational activities: Type of activities: other Number of hours: per week: per level/semester: 7d Form of the course: on-site learning					
Number of credits: 2					
Recommended semester: 1., 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 45					
A	B	C	D	E	FX
84,44	0,0	0,0	0,0	0,0	15,56
Lecturers: Mgr. Martin Mokošák, PhD., PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková					
Last change: 01.08.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2022/2023					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KTV/N-mXTV-111/22		Course title: Ďumbier mountain hiking			
Educational activities: Type of activities: other Number of hours: per week: per level/semester: 3d Form of the course: on-site learning					
Number of credits: 1					
Recommended semester: 1., 3.					
Educational level: II.					
Prerequisites:					
Course requirements:					
Learning outcomes:					
Class syllabus:					
Recommended literature:					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 71					
A	B	C	D	E	FX
81,69	0,0	0,0	0,0	0,0	18,31
Lecturers: PaedDr. Vladimír Hubka, Mgr. Miriam Kirchmayerová, PhD., Mgr. Martin Mokošák, PhD., Mgr. Igor Remák, PhD., PaedDr. Mgr. Lenka Vandáková, Mgr. Kristína Vanýsková, Mgr. Denisa Strečanská					
Last change: 01.08.2022					
Approved by:					