

Course descriptions

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COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-108/15		Course title: Activating methods and their use in learning			
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: 15					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KDMFI/2-UFY-256/15		Course title: Assessment of the Science Education Results			
Educational activities: Type of activities: course 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: D, II.					
Prerequisites:					
Course requirements: Continuous assessment: discussions (3x20 marks), presentation of the results of individual work (40 marks) Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Credits will not be awarded if student scores less than 50%.					
Learning outcomes: The graduate will know the basic principles for creating goals of physics and science education for formal education and also the relationship between formal and non-formal education. They will know the basic ways of evaluating the results of physics and science education.					
Class syllabus: Objectives of education, Taxonomy of objectives. Educational methods and methods of measuring educational results at the class and school level. Nationwide testing. High stakes testing. International measurements in science education.					
Recommended literature:					
Languages necessary to complete the course: Slovenský a anglický.					
Notes:					
Past grade distribution Total number of evaluated students: 23					
A	B	C	D	E	FX
86,96	8,7	0,0	0,0	0,0	4,35
Lecturers: PaedDr. Lukáš Bartošovič, PhD.					
Last change: 18.06.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: FMFI.KAFZM/2-UFY-220/00	Course title: Astronomy and Meteorology
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: 4	
Recommended semester: 4.	
Educational level: II.	
Prerequisites:	
Course requirements: Continuous assessment: tests (2x30 marks), discussions (4x10 marks). Indicative assessment: A: 100-90%, B: 90-80%, C: 80-70%, D: 70-60%, E: 60-50%. Credits will not be awarded if a student scores less than 50%. Scale of assessment (preliminary/final): 100/0	
Learning outcomes: Students will know the basic concepts in astronomy, the origin and development of individual cosmic bodies and structures, an explanation of the physical nature of atmospheric processes and processes taking place in the air, which create weather and climate, acquaintance with methods of forecasting synoptic situations and weather conditions.	
Class syllabus: History of astronomy, spherical astronomy (coordinate systems, stellar aberration, parallax, refraction), Solar system (Sun, planets, dwarf planets, comets, asteroids, meteors), origin and evolution of stars (Jeans critical mass, H-R diagram, nucleogenesis of elements, final evolution stages of stars), galactic astronomy, cosmology. Subject of meteorology, basic conceptions, role and organization of meteorological service. Basic meteorological elements and instrumentation of meteorological station. State equation, principal statics equation, barometric formula. Condensation and sublimation of water vapour. Adiabatic and pseudoadiabatic phenomena. Thermal stratification. General circulation. Air masses. Atmospheric fronts. Pressure systems. Weather predictions. Human influence on climate.	
Recommended literature: Vanýsek V. 1980, Základy astronómie a astrofyziky, Academia Praha Beatty J. K., Petersen C. C., Chaikin A. eds.: 1999, The New Solar System, Sky Publ. Corp. and Cambridge Univ. Press Netopil, R. a kol.: Fysická geografie 1. SPN, Praha, 1984, 272 s. Zverev, A. S.: Synoptická meteorológia. Alfa, Bratislava, 1986, 711 s. Munzar, J. a kol.: Malý průvodce meteorologií. Praha, 1989, 248 s. Bednář, J.: Meteorologie. Portál, s.r.o., Praha, 2003, 224 s., ISBN 80-7178-653-5	

Glossary of meteorology. Second edition. American Meteorological Society, Boston, 2000, 855 s., ISBN 1-878220-34-9

Languages necessary to complete the course:

Slovak and English.

Notes:

Past grade distribution

Total number of evaluated students: 70

A	B	C	D	E	FX
82,86	11,43	5,71	0,0	0,0	0,0

Lecturers: RNDr. Marián Melo, PhD., doc. RNDr. Juraj Tóth, PhD.

Last change: 20.06.2022

Approved by:

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KDPP/N-UmCH-952/15	Course title: Chemistry and Didactics of Chemistry
Number of credits: 3	
Educational level: II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-117/15		Course title: Creation of Educational Web Pages			
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: 24					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Tibor Nagy, PhD.					
Last change:					
Approved by:					

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: PriF.KDPP/N-mOBH-100/15	Course title: Defence of Diploma Thesis
Number of credits: 14	
Educational level: II.	
State exam syllabus:	
Last change:	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-103/15		Course title: Didactics of Chemistry 1			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 2 / 2 per level/semester: 28 / 28 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: 121					
A	B	C	D	E	FX
28,1	40,5	23,97	6,61	0,83	0,0
Lecturers: prof. RNDr. Miroslav Prokša, CSc., PaedDr. Tibor Nagy, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-104/15		Course title: Didactics of Chemistry 2			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 2 / 2 per level/semester: 28 / 28 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: 117					
A	B	C	D	E	FX
50,43	36,75	11,97	0,85	0,0	0,0
Lecturers: prof. RNDr. Miroslav Prokša, CSc., PaedDr. Tibor Nagy, PhD.					
Last change:					
Approved by:					

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Natural Sciences	
Course ID: FMFLKDMFI/2-UFY-961/15	Course title: Didactics of Physics
Number of credits: 3	
Educational level: II.	
Course requirements: The final examination is realized by the student's discussion with the members of the commission on two topics from the content exams. Assessed: illustration of concepts on suitable examples / contexts / situations 0-3 points; correctness of physical terminology 0-3 points; intelligibility of statements 0-3 points; responding to Commission questions concerning selected heading 0-3 points; responding to other commission questions broader context 0-3 points. Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% The exam is successfully passed if the student obtains at least 50% of points.	
Learning outcomes: The graduate is ready to perform the tasks assigned to a beginning physics teacher.	
Class syllabus: Movement and force, movement on a circle. Movement of a mass point along a circle. Movements of bodies in the homogeneous gravitational field of the Earth from a kinematic point of view. Movement and force, impulse of force and change of momentum Newton's laws of motion. Static and dynamic friction force during shear friction on a horizontal surface. Inclined plane, without friction, with friction. Momentum and impulse of force. The law of conservation of momentum. Mechanical work, mechanical energy. The work of constant force. Variable force work - from a graph of force versus time. Working when stretching a linear spring. Potential energy of the body in a homogeneous gravitational field. Potential energy of the body in the radial gravitational field of the Earth. Kinetic energy of sliding motion. Mechanical energy conservation law. Rigid body. Center of gravity. Equilibrium positions. Moment of force. Moment sentence. Simple machines - lever, pulley. Body stability. Kinetic energy of a rotating body. The moment of inertia of a rigid body. Momentum. Momentum conservation. Steiner's theorem. Radial gravitational field of the Earth. Newton's general law of gravitation. Movement of a body in a radial gravitational field, kinetic and potential energy of a body moving in a radial gravitational field. Geostationary satellite. Fluid statics. Pressure. Hydrostatic pressure. Archimedes' law. Atmospheric pressure, changes in pressure and air density with altitude. Atmospheric pressure measurement. Ideal fluid flow. Continuity equation. Bernoulli's equation for horizontal flow and for flow with vertical cant. Heat and temperature. Mass heat capacity. Changes in energy states. Calorimetric equation. It happens in an ideal gas, equation of state. Isothermal plot. Isobaric story. Isochoric plot. Adiabatic story. Equation of state of an ideal gas. Electric voltage, electric current, electric resistance. Electromotive and terminal supply voltage. Work and power of direct current. Short circuit in electrical circuit.	

<p>DC circuit. Voltage and current measurement. Ohm's law for a part of an electrical circuit. The resulting resistance of resistors connected in series and side by side. Kirchhoff's laws. Dependence of conductor resistance on its temperature and dimensions. Volt-ampere characteristic of resistor and filament lamp.</p> <p>Stationary magnetic field. Description of the magnetic field. Magnetic field of a permanent magnet. Magnetic field of a conductor with electric current. Electromagnet. Force of magnetic field on current conductor. Mutual force action of two conductors with current.</p> <p>Unsteady magnetic field. Electromagnetic induction. Lenz's law. Transformation of alternating voltages. Power plant model, transmission system.</p> <p>Oscillating movement. Spring oscillator. Mathematical pendulum. Relationship between harmonic oscillation and uniform motion along a circle. Kinematics and dynamics of the mentioned oscillators, graphs of dependences of instantaneous values of quantities describing oscillating motion from time and from instantaneous deviation from equilibrium position.</p> <p>Waves. Equation of successive mechanical wave. Wave interference. Standing waves on a stretched fiber. Sound and its properties. Sound speed measurement.</p> <p>Light and its properties. Light as an electromagnetic wave. Determination of water refractive index. Wave properties of light. Decomposition of light by a prism and an optical grating. RGB, CYM.</p> <p>Atomic physics. Continuous and line emission and absorption spectra. Photoelectric effect, X-rays, origin and properties. Thomson's discovery of the electron. Rutherford's experiment.</p> <p>Nuclear Physics. Radioactivity, half-life, fission and fusion.</p> <p>Distances in space and basic concepts of stellar evolution.</p> <p>Theoretical methods of cognition - classification, analytical-synthetic method, inductive-deductive method, analogy; Empirical methods of cognition - observation in physics education, developing students' skills associated with observation and communicating the results of observation; Empirical methods of cognition - measuring the values of a physics quantity, direct and indirect measurement; Empirical methods of cognition - measuring the interdependence of physical quantities; Empirical methods of cognition - experiment - student activity; Empirical methods of cognition - experiment - teacher planning; Classification of school experiments; Teaching methods - contextual teaching; Communication methods in school physics - graph linearization; Theoretical methods of cognition - graphic integration; Experiments and experiments with simple tools - their role and examples; Physics problem - formative function of a physics problem; Physics task - the function of the physics task in summative evaluation; The role of the teacher and the role of the student in physics education; Objectives of physics education; Defining the content of physics education curriculum. Application of interdisciplinary relationships in teaching physics. Realization of cross-curricular goals by physics education; Formal, non-formal and informal physics education.</p>
State exam syllabus:
<p>Recommended literature:</p> <p>Literature recommended by subjects of master's study.</p> <p>Physics textbooks for lower and higher secondary schools.</p> <p>Selected foreign physics textbook.</p> <p>Documents of the selected educational system.</p>
<p>Languages necessary to complete the course:</p> <p>Slovak and English.</p>
Last change: 12.11.2021
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKDMFI/2-UFY-104/15		Course title: Didactics of Physics (1)			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 1.					
Educational level: D, 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: 59					
A	B	C	D	E	FX
59,32	30,51	8,47	0,0	0,0	1,69
Lecturers: doc. PaedDr. Viera Haverlíková, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KDMFI/2-UFY-106/15		Course title: Didactics of Physics (2)			
Educational activities: Type of activities: practicals / lecture 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.					
Educational level: D, II.					
Prerequisites:					
Course requirements: Continuous assessment: seminar activities (4x10 marks) Exam: written (60 marks) Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Credits will not be awarded if a student scores less than 50%.					
Learning outcomes: Graduates will have developed skills needed in creating a lesson in physics, choosing the goals of the lesson, ways and means of fulfilling these goals. They will also have developed personal qualities, support for the assertive behavior and communication skills of the future physics teacher.					
Class syllabus: From learning sequence, through the topic in teaching to the thematic unit. Objectives of teaching physics at primary and secondary school. Physics as a part of science education and as a part of technology basics. Specifics of teacher's work in non-formal education (physics circle, club, physical competitions), non-formal education of students outside school. Examples of teaching sequences and topics for analysis are mainly in the areas of electromagnetic induction, mechanical and electromagnetic waves, geometric and wave optics.					
Recommended literature:					
Languages necessary to complete the course: Slovak and English.					
Notes:					
Past grade distribution Total number of evaluated students: 55					
A	B	C	D	E	FX
69,09	21,82	5,45	1,82	1,82	0,0
Lecturers: doc. PaedDr. Viera Haverlíková, PhD.					

Last change: 18.06.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KDMFI/2-UFY-205/15		Course title: Didactics of Physics (3)			
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: 5					
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: 43					
A	B	C	D	E	FX
90,7	6,98	2,33	0,0	0,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD., Mgr. Karolína Šromeková, PaedDr. Tünde Kiss, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-105/15		Course title: Didactics of School Experiments in Chemistry 1			
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: 120					
A	B	C	D	E	FX
15,83	40,83	28,33	13,33	1,67	0,0
Lecturers: PaedDr. Anna Drozdíková, PhD.					
Last change: 15.10.2018					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-106/15		Course title: Didactics of School Experiments in Chemistry 2			
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: 118					
A	B	C	D	E	FX
30,51	38,14	22,88	7,63	0,0	0,85
Lecturers: PaedDr. Anna Drozdíková, PhD.					
Last change: 15.10.2018					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-107/15		Course title: Digital technologies in Chemistry education			
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: 121					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Beáta Brestenská, CSc., PaedDr. Tibor Nagy, PhD.					
Last change: 15.10.2018					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KDMFI/2-UXX-933/15		Course title: Diploma Thesis in Physics Seminar (1)			
Educational activities: Type of activities: seminar Number of hours: per week: 1 per level/semester: 14 Form of the course: on-site learning					
Number of credits: 1					
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: 42					
A	B	C	D	E	FX
92,86	0,0	4,76	2,38	0,0	0,0
Lecturers: doc. PaedDr. Klára Velmovská, PhD.					
Last change: 06.02.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KDMFI/2-UXX-934/15		Course title: Diploma Thesis in Physics Seminar (2)			
Educational activities: Type of activities: seminar Number of hours: per week: 1 per level/semester: 14 Form of the course: on-site learning					
Number of credits: 1					
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: 38					
A	B	C	D	E	FX
94,74	2,63	2,63	0,0	0,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.					
Last change: 06.02.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KAgCh/N-mUCH-052/15		Course title: Distinguished Section of the Inorganic Chemistry			
Educational activities: Type of activities: lecture / seminar 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.					
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: 118					
A	B	C	D	E	FX
23,73	29,66	24,58	12,71	5,08	4,24
Lecturers: RNDr. Jana Chrappová, PhD., doc. RNDr. Jozef Tatiersky, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-106/15		Course title: Education to Marriage and Parenthood			
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: 143					
A	B	C	D	E	FX
99,3	0,7	0,0	0,0	0,0	0,0
Lecturers: RNDr. Soňa Nagyová, PhD.					
Last change: 10.01.2020					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KEF/2-UFY-212/15		Course title: Electronics and Communication for Teachers			
Educational activities: Type of activities: course Number of hours: per week: 2 per level/semester: 28 Form of the course: on-site learning					
Number of credits: 3					
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: 43					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. František Kunderacik, CSc., PaedDr. Lukáš Bartošovič, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KOrCh/N-mUCH-098/16		Course title: Everyday Life 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: 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: 32					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: Mgr. Andrea Martinická, PhD., doc. Ing. Mária Mečiarová, PhD.					
Last change: 27.11.2019					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KAgCh/N-mCAG-131/17		Course title: General and Inorganic Chemistry 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: 73					
A	B	C	D	E	FX
54,79	13,7	15,07	5,48	8,22	2,74
Lecturers: RNDr. Jana Chrappová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KOrCh/N-mUCH-101/15		Course title: Green 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.					
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: 42					
A	B	C	D	E	FX
61,9	19,05	19,05	0,0	0,0	0,0
Lecturers: doc. Ing. Mária Mečiarová, PhD.					
Last change: 16.11.2017					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KOrCh/N-mUCH-099/16		Course title: Industrial Chemistry for Teachers			
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: 103					
A	B	C	D	E	FX
42,72	26,21	22,33	7,77	0,97	0,0
Lecturers: Ing. Eva Veverková, CSc., prof. Ing. Karol Jesenák, PhD.					
Last change: 27.11.2019					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-122/19		Course title: Kreatívny digitálny obsah pre prírodovedné predmety			
Educational activities: Type of activities: lecture / seminar 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.					
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
85,71	14,29	0,0	0,0	0,0	0,0
Lecturers: doc. RNDr. Beáta Brestenská, CSc.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-109/15		Course title: Means of Motivation in Teaching Chemistry			
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: 53					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: prof. RNDr. Miroslav Prokša, CSc.					
Last change: 15.10.2018					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFL.KDMFI/2-UFY-115/15		Course title: Methods for Solving Physics Problems			
Educational activities: Type of activities: seminar Number of hours: per week: 3 per level/semester: 42 Form of the course: on-site learning					
Number of credits: 3					
Recommended semester: 2.					
Educational level: D, II.					
Prerequisites:					
Course requirements: Continuous assessment: homeworks (4x10 marks), discussions (3x10 marks), tests (2x15 marks). Indicative assessment scale: A 90%, B 80%, C 70%, D 60%, E 50% Credits will not be awarded if a student scores less than 50%.					
Learning outcomes: The graduate will know several forms of physical problems, selected methods of assigning and solving physical problems and methods of evaluating students' solutions to physical problems. Will be able to actively use physics tasks in secondary school.					
Class syllabus: Physics task, physics problem. Assignment. The general plan of the process of solving. Modelling in solving a physical problem. Mathematization of the task situation. Graphic and numerical solution of the problem. Dynamic modelling method. Solution methods using computer programs and audiovisual means. Solution methods using the system of computer-assisted science laboratory Coach.					
Recommended literature:					
Languages necessary to complete the course: Slovak and English.					
Notes:					
Past grade distribution Total number of evaluated students: 59					
A	B	C	D	E	FX
89,83	6,78	3,39	0,0	0,0	0,0
Lecturers: doc. PaedDr. Klára Velmovská, PhD.					
Last change: 18.06.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-100/15		Course title: Methods of Pedagogic Research			
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.					
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: 261					
A	B	C	D	E	FX
26,05	21,84	26,82	17,62	7,66	0,0
Lecturers: prof. RNDr. Miroslav Prokša, CSc.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-109/15		Course title: Mobile science learning 1			
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: 12					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., PhDr. Michael Fuchs					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-110/15		Course title: Mobile science learning 2			
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: 7					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., PhDr. Michael Fuchs					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-124/21		Course title: Pedagogic Diagnostics			
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: 49					
A	B	C	D	E	FX
14,29	40,82	24,49	16,33	4,08	0,0
Lecturers: PhDr. ThLic. Peter Ikhardt, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-121/15		Course title: Philosophical Antropology and Axiology			
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: 225					
A	B	C	D	E	FX
62,67	21,33	10,67	1,33	1,78	2,22
Lecturers: Mgr. Štefan Zolcer, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KFTCh/N-mUCH-102/15		Course title: Physical Chemistry Seminar			
Educational activities: Type of activities: seminar Number of hours: per week: 1 per level/semester: 14 Form of the course: on-site learning					
Number of credits: 1					
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: 116					
A	B	C	D	E	FX
61,21	19,83	12,07	6,9	0,0	0,0
Lecturers: prof. RNDr. Vladimír Kellö, DrSc.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKDMFI/2-UFY-111/15		Course title: Practical in Class Experiments in Physics (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: D, 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: 59					
A	B	C	D	E	FX
93,22	5,08	0,0	0,0	0,0	1,69
Lecturers: PaedDr. Peter Horváth, PhD., PaedDr. Jana Jakubičková, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKDMFI/2-UFY-211/15		Course title: Practical in Class Experiments in Physics (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: 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: 43					
A	B	C	D	E	FX
83,72	11,63	2,33	0,0	2,33	0,0
Lecturers: doc. PaedDr. Viera Haverlíková, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKDMFI/2-UFY-165/15		Course title: Practical in Class Experiments in Physics (3)			
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: 45					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Peter Horváth, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-115/15		Course title: Prevention of Drug Addiction			
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: 164					
A	B	C	D	E	FX
95,73	1,83	0,0	0,0	0,0	2,44
Lecturers: PaedDr. Tibor Nagy, PhD., RNDr. Soňa Nagyová, PhD.					
Last change: 10.01.2020					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-105/15		Course title: Processing and interpretation of the statistical data in pedagogical-psychological researches			
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: 83					
A	B	C	D	E	FX
61,45	19,28	4,82	9,64	3,61	1,2
Lecturers: PaedDr. Anna Drozdíková, PhD.					
Last change: 03.12.2019					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-116/15		Course title: Rhetoric for teachers			
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: participation, activity, eventually final essay					
Learning outcomes: The aim of the course is to teach students to adequately articulate their ideas, to express their attitudes and opinions, to use argumentation, think critically, to communicate adequately, and to listen or read with understanding.					
Class syllabus: Except the introductory lectures, the course is conceived as seminars with discussions on chosen topics. The topics should concern teaching.					
Recommended literature: Aristoteles: Rétorika. Bratislava: Thetis, 2009. Recommended sources are given to each topic separately.					
Languages necessary to complete the course:					
Notes:					
Past grade distribution Total number of evaluated students: 40					
A	B	C	D	E	FX
65,0	17,5	17,5	0,0	0,0	0,0
Lecturers: Mgr. Štefan Zolcer, PhD.					
Last change: 02.09.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KBCh/N-mUCH-001/16		Course title: Selected Chapters in Biochemistry			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 2 / 2 per level/semester: 28 / 28 Form of the course: on-site learning					
Number of credits: 4					
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: 103					
A	B	C	D	E	FX
22,33	23,3	24,27	19,42	10,68	0,0
Lecturers: doc. RNDr. Jana Korduláková, PhD.					
Last change: 06.03.2017					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KOrCh/N-mUCH-100/15		Course title: Selected Topics in Organic Chemistry			
Educational activities: Type of activities: lecture / seminar Number of hours: per week: 2 / 2 per level/semester: 28 / 28 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: 125					
A	B	C	D	E	FX
23,2	17,6	19,2	23,2	8,8	8,0
Lecturers: Mgr. Andrea Martinická, PhD., doc. Ing. Mária Mečiarová, PhD.					
Last change: 27.11.2019					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KFTCh/N-mUCH-057/15		Course title: Selected Topics in Physical Chemistry			
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.					
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: 117					
A	B	C	D	E	FX
35,04	24,79	20,51	11,97	7,69	0,0
Lecturers: prof. RNDr. Vladimír Kellö, DrSc.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-102/15		Course title: Seminar to the thesis			
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: 250					
A	B	C	D	E	FX
76,4	14,0	5,6	0,4	2,4	1,2
Lecturers: doc. RNDr. Beáta Brestenská, CSc., doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., PaedDr. Tibor Nagy, PhD., RNDr. Soňa Nagyová, PhD., PaedDr. Anna Drozdíková, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., prof. RNDr. Miroslav Prokša, CSc., RNDr. Ivan Ružek, PhD., doc. Mgr. Slavomír Ondoš, PhD., RNDr. Katarína Danielová, PhD., Mgr. Marta Nevřelová, PhD., PhDr. ThLic. Peter Ikhardt, PhD., RNDr. Jana Ciceková, PhD., doc. RNDr. Eliška Gálová, PhD., doc. RNDr. Andrea Ševčovičová, PhD., RNDr. Jana Chrappová, PhD., Mgr. Štefan Zolcer, PhD., Mgr. Milica Križanová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KAgCh/N-mUCH-110/15		Course title: Subject competitions in education			
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: 40					
A	B	C	D	E	FX
97,5	2,5	0,0	0,0	0,0	0,0
Lecturers: RNDr. Jana Chrappová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-103/15		Course title: Teaching Practice 2 (A)			
Educational activities: Type of activities: practice Number of hours: per week: 80 per level/semester: 1120 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: 261					
A	B	C	D	E	FX
75,86	19,54	3,45	0,77	0,0	0,38
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. Katarína Pavličková, CSc., RNDr. Hubert Žarnovičan, PhD., PaedDr. Anna Drozdíková, PhD., PhDr. Michael Fuchs, Mgr. Milica Križanová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022						
University: Comenius University Bratislava						
Faculty: Faculty of Natural Sciences						
Course ID: PriF.KDPP/N-mUXX-104/15			Course title: Teaching Practice 2 (B)			
Educational activities: Type of activities: practice Number of hours: per week: 80 per level/semester: 1120 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: 337						
A	ABS	B	C	D	E	FX
85,16	0,0	11,28	2,67	0,59	0,3	0,0
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. Katarína Pavličková, CSc., RNDr. Hubert Žarnovičan, PhD., PaedDr. Anna Drozdíková, PhD., PhDr. Michael Fuchs, Mgr. Milica Križanová, PhD.						
Last change:						
Approved by:						

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-113/15		Course title: Teaching Practice 3 (A)			
Educational activities: Type of activities: practice Number of hours: per week: 120 per level/semester: 1680 Form of the course: on-site learning					
Number of credits: 3					
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: 206					
A	B	C	D	E	FX
74,76	18,45	4,37	1,46	0,0	0,97
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., prof. RNDr. Miroslav Prokša, CSc., PaedDr. Anna Drozdíková, PhD., RNDr. Hubert Žarnovičan, PhD., PhDr. Michael Fuchs					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022						
University: Comenius University Bratislava						
Faculty: Faculty of Natural Sciences						
Course ID: PriF.KDPP/N-mUXX-114/15		Course title: Teaching Practice 3 (B)				
Educational activities: Type of activities: practice Number of hours: per week: 120 per level/semester: 1680 Form of the course: on-site learning						
Number of credits: 3						
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: 298						
A	ABS	B	C	D	E	FX
64,77	0,0	23,83	8,05	1,01	2,01	0,34
Lecturers: doc. PaedDr. Elena Čipková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., prof. RNDr. Miroslav Prokša, CSc., PaedDr. Anna Drozdíková, PhD., RNDr. Hubert Žarnovičan, PhD., PhDr. Michael Fuchs						
Last change:						
Approved by:						

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKDMFI/2-UXX-821/15		Course title: Teaching Practice in Physics (2)			
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 60s 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	1,96	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Peter Horváth, PhD.					
Last change: 26.11.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFI.KDMFI/2-UXX-822/15		Course title: Teaching Practice in Physics (3)			
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 90s Form of the course: on-site learning					
Number of credits: 3					
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: 44					
A	B	C	D	E	FX
97,73	2,27	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Peter Horváth, PhD.					
Last change: 26.11.2021					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUCH-108/15		Course title: Technical and Law Aspects of School Chemical Experiments			
Educational activities: Type of activities: practicals / seminar Number of hours: per week: 2 / 1 per level/semester: 28 / 14 Form of the course: on-site learning					
Number of credits: 3					
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: 14					
A	B	C	D	E	FX
85,71	14,29	0,0	0,0	0,0	0,0
Lecturers: PaedDr. Anna Drozdíková, PhD.					
Last change: 15.10.2018					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: PriF.KDPP/N-mUXX-107/15		Course title: The Art of Presentation and Communication			
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: 64					
A	B	C	D	E	FX
100,0	0,0	0,0	0,0	0,0	0,0
Lecturers: RNDr. Peter Likavský, CSc., PaedDr. Tibor Nagy, PhD., RNDr. Soňa Nagyová, PhD.					
Last change:					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKTF/2-UFY-101/15		Course title: Theoretical Physics (1)			
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: 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: 52					
A	B	C	D	E	FX
71,15	11,54	5,77	7,69	1,92	1,92
Lecturers: Mgr. Samuel Kováčik, PhD.					
Last change: 15.06.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKTF/2-UFY-102/15		Course title: Theoretical Physics (2)			
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: 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: 50					
A	B	C	D	E	FX
52,0	24,0	10,0	2,0	12,0	0,0
Lecturers: Mgr. Samuel Kováčik, PhD.					
Last change: 15.06.2022					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022					
University: Comenius University Bratislava					
Faculty: Faculty of Natural Sciences					
Course ID: FMFLKTF/2-UFY-253/15		Course title: Theoretical Physics (3)			
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: 4					
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: 44					
A	B	C	D	E	FX
38,64	20,45	15,91	4,55	20,45	0,0
Lecturers: prof. RNDr. Anna Dubníčková, DrSc., RNDr. Eduard Masár, PhD.					
Last change: 02.06.2015					
Approved by:					

COURSE DESCRIPTION

Academic year: 2021/2022						
University: Comenius University Bratislava						
Faculty: Faculty of Natural Sciences						
Course ID: PriF.KDPP/N-mUXX-119/15			Course title: Thesis 1			
Educational activities: Type of activities: seminar Number of hours: per week: 4 per level/semester: 56 Form of the course: on-site learning						
Number of credits: 4						
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: 223						
A	ABS	B	C	D	E	FX
62,33	0,0	15,25	8,07	6,28	5,83	2,24
Lecturers: doc. RNDr. Beáta Brestenská, CSc., doc. PaedDr. Elena Čipková, PhD., PaedDr. Anna Drozdíková, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., PaedDr. Tibor Nagy, PhD., RNDr. Soňa Nagyová, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., doc. Ing. Mária Mečiarová, PhD., RNDr. Jana Chrappová, PhD., doc. RNDr. Jozef Tatiersky, PhD., RNDr. Silvia Kubalová, PhD., doc. RNDr. Zlatica Országhová, CSc., RNDr. Ivan Ružek, PhD., RNDr. Katarína Danielová, PhD., Mgr. Štefan Zolcer, PhD., PhDr. ThLic. Peter Ikhardt, PhD., doc. RNDr. Daniel Gurňák, PhD., RNDr. Jana Ciceková, PhD., Mgr. Rastislav Cákoci, PhD.						
Last change:						
Approved by:						

COURSE DESCRIPTION

Academic year: 2021/2022						
University: Comenius University Bratislava						
Faculty: Faculty of Natural Sciences						
Course ID: PriF.KDPP/N-mUXX-120/15			Course title: Thesis 2			
Educational activities: Type of activities: seminar Number of hours: per week: 6 per level/semester: 84 Form of the course: on-site learning						
Number of credits: 6						
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: 222						
A	ABS	B	C	D	E	FX
60,36	0,0	18,92	10,36	2,25	7,66	0,45
Lecturers: doc. RNDr. Beáta Brestenská, CSc., doc. PaedDr. Elena Čipková, PhD., PaedDr. Anna Drozdíková, PhD., doc. RNDr. PaedDr. Zuzana Haláková, PhD., doc. RNDr. Štefan Karolčík, PhD., RNDr. Peter Likavský, CSc., RNDr. Henrieta Mázorová, PhD., PaedDr. Tibor Nagy, PhD., RNDr. Soňa Nagyová, PhD., prof. RNDr. Miroslav Prokša, CSc., doc. RNDr. Andrea Ševčovičová, PhD., doc. RNDr. Eliška Gálová, PhD., doc. Ing. Mária Mečiarová, PhD., RNDr. Jana Chrappová, PhD., doc. RNDr. Jozef Tatiersky, PhD., RNDr. Silvia Kubalová, PhD., doc. RNDr. Zlatica Országhová, CSc., RNDr. Ivan Ružek, PhD., RNDr. Katarína Danielová, PhD., Mgr. Štefan Zolcer, PhD., PhDr. ThLic. Peter Ikhardt, PhD., doc. RNDr. Daniel Gurňák, PhD., RNDr. Jana Ciceková, PhD., Mgr. Rastislav Cákoci, PhD.						
Last change:						
Approved by:						