

Course descriptions

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COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-302/21	Course title: Astronomy and Meteorology
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 5.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Juraj Tóth, PhD.	
Last change: 15.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKJFB/2- prUFYx-205/21	Course title: Atomic and Nuclear Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 20s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 4.	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: doc. RNDr. Radoslav Böhm, PhD., PaedDr. Lukáš Bartošovič, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-116/21	Course title: Didactics of Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 18s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 2.	
Educational level: N	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 16	
ABS	NEABS
100,0	0,0
Lecturers: PaedDr. Tünde Kozánek Kiss, PhD.	
Last change: 14.12.2022	
Approved by:	

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2- prUFYx-913/21	Course title: Didactics of Physics
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 25.09.2023	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-901/21	Course title: Diploma Thesis Project
Educational activities: Type of activities: lecture Number of hours: per week: per level/semester: 4s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 5.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD., RNDr. Monika Dillingerová, PhD.	
Last change: 12.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-202/21	Course title: Electromagnetism
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 20s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 3.	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: doc. PaedDr. Viera Haverlíková, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KEF/2-prUFYx-301/21	Course title: Electronics and Communication for Teachers
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 12s / 4s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 5.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-206/21	Course title: Experimental Methods in Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 4.	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: PaedDr. Tünde Kozánek Kiss, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-114/21	Course title: Introduction to Class Experiments
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 20s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 2.	
Educational level: N	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 16	
ABS	NEABS
93,75	6,25
Lecturers: PaedDr. Peter Horváth, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-111/21	Course title: Introduction to Didactics of Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 1.	
Educational level: N	
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	
ABS	NEABS
96,55	3,45
Lecturers: doc. PaedDr. Klára Velmovská, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-201/21	Course title: Mathematical Methods for Solving Physical Tasks
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 3.	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: doc. PaedDr. Viera Haverlíková, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-101/21	Course title: Mathematical Methods in Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 1.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. PaedDr. Klára Velmovská, PhD.	
Last change: 09.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-102/21	Course title: Mechanics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 20s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 1.	
Educational level: N	
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	
ABS	NEABS
93,1	6,9
Lecturers: PaedDr. Peter Horváth, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-113/21	Course title: Methods for Solving Physical Tasks
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 2.	
Educational level: N	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 16	
ABS	NEABS
100,0	0,0
Lecturers: doc. PaedDr. Klára Velmovská, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-207/21	Course title: Molecular Physics and Thermodynamics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 12s / 4s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 4.	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: PaedDr. Lukáš Bartošovič, PhD.	
Last change: 14.12.2022	
Approved by:	

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/2- prUFYx-912/21	Course title: Physics
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 25.09.2023	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-211/21	Course title: Practical in Class Experiments in Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 3.	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: PaedDr. Tünde Kozánek Kiss, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-311/21	Course title: Prospective Topics in School Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 4s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 5.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. PaedDr. Viera Haverlíková, PhD.	
Last change: 12.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-115/21	Course title: School Experiments in Physics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 2.	
Educational level: N	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 16	
ABS	NEABS
100,0	0,0
Lecturers: doc. PaedDr. Klára Velmovská, PhD.	
Last change: 25.03.2023	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-112/21	Course title: School Physic
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 20s / 8s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 1.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: PaedDr. Tünde Kozánek Kiss, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KTF/2-prUFYx-203/21	Course title: Selected Fields of Physical Research
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 3.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 14.12.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-221/21	Course title: Teaching Practice
Educational activities: Type of activities: practice Number of hours: per week: per level/semester: 20s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 3., 4..	
Educational level: N	
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	
ABS	NEABS
93,33	6,67
Lecturers: PaedDr. Peter Horváth, PhD.	
Last change: 16.06.2023	
Approved by:	

STATE EXAM DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/2- prUFYx-911/21	Course title: Thesis Defence
Number of credits: 0	
Educational level: N	
State exam syllabus:	
Last change: 16.06.2023	
Approved by:	

COURSE DESCRIPTION

Academic year: 2022/2023	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KEF/2-prUFYx-204/21	Course title: Waves and Optics
Educational activities: Type of activities: lecture / independent work Number of hours: per week: per level/semester: 16s / 6s Form of the course: on-site learning	
Number of credits: 0	
Recommended semester: 4.	
Educational level: N	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 14.12.2022	
Approved by:	