

Course descriptions

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COURSE DESCRIPTION

Academic year: 2021/2022							
University: Comenius University Bratislava							
Faculty: Faculty of Mathematics, Physics and Informatics							
Course ID: FMFI.KJP/3-MXX-101/15				Course title: Course of English for PhD Studies (1)			
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 26 Form of the course: on-site learning, distance learning							
Number of credits: 5							
Recommended semester:							
Educational level: III.							
Prerequisites:							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 166							
A	ABS	B	C	D	E	FX	NEABS
50,6	43,98	0,6	0,0	0,0	2,41	0,0	2,41
Lecturers: PhDr. Alena Zemanová							
Last change: 20.06.2022							
Approved by:							

COURSE DESCRIPTION

Academic year: 2021/2022							
University: Comenius University Bratislava							
Faculty: Faculty of Mathematics, Physics and Informatics							
Course ID: FMFI.KJP/3-MXX-102/15			Course title: Course of English for PhD Studies (1)				
Educational activities: Type of activities: practicals Number of hours: per week: 2 per level/semester: 26 Form of the course: on-site learning, distance learning							
Number of credits: 5							
Recommended semester:							
Educational level: III.							
Prerequisites: FMFI.KJP/3-MXX-101/15 - Course of English for PhD Studies (1)							
Course requirements:							
Learning outcomes:							
Class syllabus:							
Recommended literature:							
Languages necessary to complete the course:							
Notes:							
Past grade distribution Total number of evaluated students: 161							
A	ABS	B	C	D	E	FX	NEABS
54,66	38,51	0,0	0,0	0,0	0,0	0,0	6,83
Lecturers: PhDr. Alena Zemanová							
Last change: 20.06.2022							
Approved by:							

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-950/15	Course title: Dissertation Examination
Number of credits: 20	
Recommended semester: 3., 4..	
Educational level: III.	
Class syllabus: Writing and defending a written thesis for the dissertation exam. Oral exam in designated subjects.	
State exam syllabus:	
Recommended literature: Current local and world scientific literature in the field of dissertation research, according to the recommendation and in consultation with the supervisor, or the responsible leader of the scientific research task or research project, resp. guarantor of the study program.	
Languages necessary to complete the course: Slovak and English.	
Last change: 09.11.2021	
Approved by:	

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFL.KDMFI/3-FVF-990/15	Course title: Dissertation Thesis
Number of credits: 30	
Recommended semester: 7., 8..	
Educational level: III.	
Course requirements: Successful defense of the dissertation. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: Successful graduation.	
Class syllabus: Finalisation and submitting the dissertation, preparation for responding to reviews of the dissertation, the defense of the thesis.	
State exam syllabus:	
Recommended literature: Literature listed in the dissertation.	
Languages necessary to complete the course: Slovenský a anglický.	
Last change: 09.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-018/10	Course title: Education Experiment and Its Evaluation
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 1 / 2 per level/semester: 13 / 26 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 4.	
Educational level: III.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 0	
ABS	NEABS
0,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KEF/3-FVF-020/15	Course title: Experimental Physics
Educational activities: Type of activities: lecture Number of hours: per week: 3 per level/semester: 39 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: Continuous assessment: paper Exam: oral Indicative rating 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 of the course will know the basic methods for measuring physical quantities (length, time, weight, temperature, ...) used in physics, including the historical context and use in teaching physics. He will also be able to build simple measuring systems using available sensors and the Arduino microprocessor system. He will also be able to design 3D components of experimental apparatus in a CAD system and print them on a 3D printer.	
Class syllabus: Measurement of distance length and dimensions from nanoscale to macroscale (ellipsometry, electron and optical microscope, micrometers, ultrasonic and laser distance meters, GPS, radar measurements, use of star parallax, cepheid, supernovae and Hubble shift). Measurement of force, acceleration and velocity, accelerometers (also nanotechnological), resistance strain gauges, flow meters, ...). Relation of time measurement with astronomical phenomena, time equation, clock step with physical and torsional pendulum, crystal clock, atomic clock, time standard). Temperature measurement, expansion thermometers, infrared thermometer and IR camera, ...). Measurement of electromagnetic radiation, the principle of longwave, shortwave, microwave and terahertz antennas, IS4 and optical detectors, photomultiplier, photodiode, X-ray and gamma detectors. Arduino microprocessor system and available sensors. Principles of 3D printing and creation of 3D objects in a CAD system.	
Recommended literature:	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 0	
ABS	NEABS
0,0	0,0
Lecturers: doc. RNDr. František Kunderacik, CSc., prof. RNDr. Andrej Plecenik, DrSc.	
Last change: 11.03.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-101/10	Course title: Individual Study of Scientific Resources
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: Continuous assessment - reporting in consultation with the supervisor. Credits will be awarded by the supervisor if the student has made significant progress in the study of topics relevant to the topic of the dissertation. Scale of assessment (preliminary/final): 100/0	
Learning outcomes: The student is aware of the methods and results of selected current research related to the topic of the dissertation.	
Class syllabus: Familiarization with relevant scientific conferences and sections in which problems similar to dissertation issues are addressed (eg ESERA, GIREP, EDULEARN) Orientation in the offer of scientific journals relevant to the topic of the dissertation. Orientation in relevant monographs. Selection of researchers who deal with similar issues (eg researchgate).	
Recommended literature: Selection of current journal articles, conference papers and monographs from the area of interest of the dissertation. The concrete selection is made in the cooperation of the student and the supervisor.	
Languages necessary to complete the course: Slovak and English	
Notes:	
Past grade distribution Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers:	

Last change: 18.06.2022
Approved by:

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-304/15	Course title: Local Reviewed Journal
Educational activities: Type of activities: independent work Number of hours: per week: per level/semester: 150s Form of the course: on-site learning	
Number of credits: 15	
Recommended semester: 4., 6.	
Educational level: III.	
Prerequisites:	
Course requirements: Credits will be awarded when the article is published. The minimal contribution amount for obtaining credits is 3 standard pages. The minimal author's share for obtaining credits is 30%. Scale of assessment (preliminary/final): 0/100	
Learning outcomes: The student has practical experience in publishing the results of scientific work.	
Class syllabus: Writing a comprehensive scientific problem in cooperation with the trainer. Selection of the topic of the article, implementation of the research presented in the article, writing the article, submitting the article for publication, work with the review, finalization of the article, registration of the published article in databases.	
Recommended literature: Journal to which the contribution will be submitted. Magazines focused on the topics solved.	
Languages necessary to complete the course: Slovak and English.	
Notes:	
Past grade distribution Total number of evaluated students: 8	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 08.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-013/10	Course title: Methods of School Experiments (1)
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 1 / 2 per level/semester: 13 / 26 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 2.	
Educational level: III.	
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	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-014/10	Course title: Methods of School Experiments (2)
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 1 / 2 per level/semester: 13 / 26 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 2	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-017/10	Course title: Models of Physics Education
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 1 / 2 per level/semester: 13 / 26 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: Scale of assessment (preliminary/final): 60/40	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers: doc. RNDr. Peter Demkanin, PhD.	
Last change: 05.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/3-FVF-403/10	Course title: Presentation at a Home Conference
Educational activities: Type of activities: independent work Number of hours: per week: per level/semester: 100s Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 5.	
Educational level: III.	
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	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-402/15	Course title: Presentation at a Home Conference with International Participation
Educational activities: Type of activities: independent work Number of hours: per week: per level/semester: 100s Form of the course: on-site learning	
Number of credits: 20	
Recommended semester: 5., 6., 7., 8..	
Educational level: III.	
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:	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKTF/3-FVF-019/10	Course title: Selected Topics in Modern Physics
Educational activities: Type of activities: lecture Number of hours: per week: 2 per level/semester: 26 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 0	
ABS	NEABS
0,0	0,0
Lecturers: prof. RNDr. Anna Dubníčková, DrSc.	
Last change: 02.06.2015	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-102/10	Course title: Study of Science and Research Resources
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: Continuous assessment - reporting in consultation with the supervisor. Credits will be awarded by the supervisor if the student has made significant progress in the study of topics relevant to the topic of the dissertation. Scale of assessment (preliminary/final): 100/0	
Learning outcomes:	
Class syllabus: Study of selected papers from relevant scientific conferences (eg ESERA, GIREP, EDULEARN). Study of articles in relevant scientific journals. Study of selected chapters of relevant monographs.	
Recommended literature: Selection of current journal articles, conference papers and monographs from the area of interest of the dissertation. The concrete selection is made in the cooperation of the student and the supervisor.	
Languages necessary to complete the course: Slovak and English	
Notes:	
Past grade distribution Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 06.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-103/10	Course title: Study of Science and Research Resources
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: Continuous assessment by supervisor.	
Learning outcomes: The student will gradually process the dissertation.	
Class syllabus: Study of literature recommended by the supervisor. Analysis and processing of the obtained information and their presentation to the supervisor.	
Recommended literature: Selection of current articles in the field of dissertation focus.	
Languages necessary to complete the course: Slovak and English.	
Notes:	
Past grade distribution Total number of evaluated students: 2	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 11.03.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFLKDMFI/3-FVF-104/10	Course title: Study of Science and Research Resources
Educational activities: Type of activities: Number of hours: per week: per level/semester: Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 4.	
Educational level: III.	
Prerequisites:	
Course requirements: Continuous assessment by supervisor. Credits will not be awarded if the student scores less than 50%.	
Learning outcomes: Progress in preparation for the dissertation.	
Class syllabus: Study of literature recommended by the supervisor. Analysis and processing of the obtained information and their presentation to the supervisor.	
Recommended literature: Selection of current articles in the field of dissertation focus.	
Languages necessary to complete the course: Slovak and English.	
Notes:	
Past grade distribution Total number of evaluated students: 1	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 11.03.2022	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-808/15	Course title: Supervising and Demonstrating Work (1)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 1.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of the department. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student. Scale of assessment (preliminary/final): 80/20	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of a 3rd degree student in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctoral student.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 4	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-809/15	Course title: Supervising and Demonstrating Work (2)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 2.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of the department. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student. Scale of assessment (preliminary/final): 80/20	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of a 3rd degree student in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctoral student.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 0	
ABS	NEABS
0,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-810/15	Course title: Supervising and Demonstrating Work (3)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of the department. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student. Scale of assessment (preliminary/final): 80/20	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of a 3rd degree student in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctoral student.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 2	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-811/15	Course title: Supervising and Demonstrating Work (4)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 4.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of the department. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student. Scale of assessment (preliminary/final): 80/20	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of a 3rd degree student in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctoral student.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 0	
ABS	NEABS
0,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-812/15	Course title: Supervising and Demonstrating Work (5)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 5.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of the department. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student.	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of the doctorand in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctoral student.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 5	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-813/15	Course title: Supervising and Demonstrating Work (6)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 6.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of the division. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student.	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of a 3rd degree student in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctoral student.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 0	
ABS	NEABS
0,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-814/15	Course title: Supervising and Demonstrating Work (7)
Educational activities: Type of activities: other Number of hours: per week: 4 per level/semester: 52 Form of the course: on-site learning	
Number of credits: 5	
Recommended semester: 7.	
Educational level: III.	
Prerequisites:	
Course requirements: The subject is evaluated by the head of division. It will take into account the reactions of students in whose teaching the doctoral student actively participated. Credits will be awarded after the finalisation of the evaluation of students by the doctoral student.	
Learning outcomes: The student will have developed pedagogical skills and professional knowledge in the form of active cooperation in leading seminars.	
Class syllabus: The course is focused on pedagogical activities related to the preparation and conduct of seminars with regard to mastering the basic principles of pedagogical approach to students, mastering modern teaching methods, evaluation and visual communication of the content of the studied issues, or presentation of own results. The content of the course is the preparation of pedagogical and professional materials for teaching students of the first and second degree of university study, preparation of teaching aids and study materials, using modern digital technologies. It is implemented through the active participation of the doctorand in the pedagogical process in teaching students related to bachelor's and master's degree programs, especially with the help of leading seminars.	
Recommended literature: Petty, Teaching Today, 2014 Petty, Evidence-based Teaching, 2009 Literature recommended for the implementation of the subject taught by the doctorand.	
Languages necessary to complete the course: Slovak and English.	
Notes:	

Past grade distribution	
Total number of evaluated students: 7	
ABS	NEABS
100,0	0,0
Lecturers:	
Last change: 10.11.2021	
Approved by:	

COURSE DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KDMFI/3-FVF-005/15	Course title: Writing Study Texts and Pedagogical Documents
Educational activities: Type of activities: lecture / practicals Number of hours: per week: 1 / 2 per level/semester: 13 / 26 Form of the course: on-site learning	
Number of credits: 10	
Recommended semester: 3.	
Educational level: III.	
Prerequisites:	
Course requirements:	
Learning outcomes:	
Class syllabus:	
Recommended literature:	
Languages necessary to complete the course:	
Notes:	
Past grade distribution Total number of evaluated students: 2	
ABS	NEABS
100,0	0,0
Lecturers: doc. PaedDr. Klára Velmovská, PhD.	
Last change: 02.06.2015	
Approved by:	