Course descriptions

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STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KAFZM/3-FEM-950/22	**Course title:** Dissertation Examination
Number of credits: 20	
Educational level: III.	
Course requirements: Examination: oral The evaluation of the subject takes place within the state examination in accordance with the Study Regulations of Faculty of Mathematics, Physics and Informatics in Bratislava and after the submission of the written work for the dissertation examination within the set deadline. The subjects of the state examination include a discussion of the written work for the dissertation examination (prepared by the doctoral student) and other subjects of the oral examination (ad hoc) approved by the dean. The assessment is standard and reflects the sufficient orientation of the student in the topics.	
Learning outcomes: The doctoral student at the dissertation exam will demonstrate his/her ability to continue the PhD studies, present a project of the dissertation, which will be assessed by the committee.	
Class syllabus: In the first part of the exam, presentation of the dissertation project, proposal of the dissertation objectives. In the second part, the student will answer to examination committee three questions from one of the following thematic areas according to the focus of his dissertation regarding the individually studied literature and the recommendation of the supervisor: - Energy sources, pollution and protection of the environment. - Radiation environmental physics. - Physical processes in the atmosphere and in the Earth's climate system. The composition of the examination committee, assignment of the reviewer and the course of the dissertation examination are governed by the current Study Regulations of Faculty of Mathematics, Physics and Informatics.	
State exam syllabus:	
Recommended literature: No specification due to the nature of the subject. The recommended literature is part of the doctoral student's individual study plan.	
Languages necessary to complete the course: Slovak, English	
Last change: 14.04.2022	
Approved by:	

STATE EXAM DESCRIPTION

Academic year: 2021/2022	
University: Comenius University Bratislava	
Faculty: Faculty of Mathematics, Physics and Informatics	
Course ID: FMFI.KAFZM/3-FEM-990/22	**Course title:** Dissertation Thesis Defence
Number of credits: 30	
Educational level: III.	
Course requirements: Examination: oral The evaluation of the subject takes place within the state examination in accordance with the Study Regulations of Faculty of Mathematics, Physics and Informatics in Bratislava and after the submission of the dissertation thesis (as final thesis). The assessment is standard and reflects the sufficient orientation of the student in the topics.	
Learning outcomes: The aim of the course is to make use of theoretical, methodological and applied knowledge of doctoral studies in the elaboration and subsequent defense of the dissertation thesis and thus the successful completion of doctoral studies.	
Class syllabus: With the dissertation, the student demonstrates the ability and readiness for independent scientific and creative activity in the field of research or development. It should be characterized by a high degree of analysis and synthesis of knowledge, as well as a sufficient overview of the existing literature. The work must be original, created by the author in compliance with the rules of working with information sources. The thesis must not have the character of plagiarism, it must not infringe the copyrights of other authors. The author is obliged to consistently cite the information sources used, to name the specific results of research of other authors by citing the relevant source, to accurately describe the methods and working procedures used by other authors, to document the laboratory results of other authors. The citation technique is guided by the practice in the given scientific field, respecting the relevant norms and standards. The composition of the examination committee, assignment of the reviewers and the course of the dissertation examination are governed by the current Study Regulations of Faculty of Mathematics, Physics and Informatics.	
State exam syllabus:	
Recommended literature: No specification due to the nature of the subject. The recommended literature is part of the doctoral student's individual study plan.	
Languages necessary to complete the course: Slovak, English	
Last change: 14.04.2022	
Approved by:	