

Specification for the book of courses

Study program		Electrical Power Engineering		
Module		Electrical Power Engineering		
Type and level of studies		Master studies		
The name of the course		Master Thesis		
Lecturer (for lectures)				
Lecturer/associate (for exercises)				
Lecturer/associate (for OFE)				
Number of ECTS	15	Course status (obligatory/elective)	Obligatory	
Prerequisites				
Course objectives	The Master Thesis is aimed at consolidating, validating and practical application of acquired knowledge during Master Academic Studies. The opportunity is given to the student to demonstrate the ability to independently perform a project, which can be of the practical, research or theoretical-methodological character. The student also acquires experience in presenting his/her work in written form, and in presenting the results through oral presentation during the defence of the work.			
Course outcomes	Ability to lead a standalone project, ability to formulate and analyse problems, critical awareness of possible solutions, and review of the literature from the given area. Application of acquired engineering, and design and problem solving skills, taking into account the complexity, cost, reliability and efficiency of the solution. Ability to write the work in a given form. Ability to clearly explain the completed project, which is demonstrated in the oral defence of work.			
Course outline				
Theoretical teaching	Master Thesis is the independent research, practical or theoretical-methodological work of the student in accordance with the level of studies, in which he becomes acquainted with a narrow subject through literature review and adopts methodology of research, i.e. designing, necessary for completion of the thesis. By working on the thesis, the student applies the practical and theoretical knowledge acquired during the studies. The thesis, as a rule, contains an introductory chapter, a definition of the problem, an overview of the study area of the thesis and existing solutions, a proposal and a description of the solution, the conclusion and the references. A public oral defence of the thesis is organized in front of the commission of three members, one of which is a mentor of thesis. During the oral defence, the candidate explains the results of his/her work, and then answers the questions of the members of the commission, whereby the candidate proves the ability to oral presentation of the project.			
Practical teaching (exercises, OFE, study and research)				
Textbooks/references				
	1			
	2			
	3			
	4			
	5			
Number of classes of active education per week during semester/trimester/year				
Lectures	Exercises	OFE	Study and research work	Other classes
Teaching methods				
Grade (maximum number of points 100)				
Pre-exam duties	Points	Final exam	Points	
Activity during lectures		Written exam	50	
Exercises		Oral exam	50	

Colloquia			
Projects			