

## Specification for the book of courses

<b>Study program</b>		Electronics and Microsystems		
<b>Module</b>		Electronics and Microsystems		
<b>Type and level of studies</b>		Master studies		
<b>The name of the course</b>		Master Thesis		
<b>Lecturer (for lectures)</b>				
<b>Lecturer/associate (for exercises)</b>				
<b>Lecturer/associate (for OFE)</b>				
<b>Number of ECTS</b>	15	<b>Course status (obligatory/elective)</b>	Obligatory	
<b>Prerequisites</b>				
The work at Master Thesis is aimed at consolidating, validating and practical application of acquired knowledge during Master Academic Studies. The student is given the opportunity to demonstrate the ability to independently perform a project, which can be practical, theoretical-methodological or research-oriented. The student also acquires experience in presenting his work through written form as well as oral presentation during the Thesis defense.				
<b>Course objectives</b>				
Ability to lead a standalone project, the ability to formulate and analyze problems, critically review possible solutions, review the literature in a particular area. Application of acquired engineering and design knowledge and problem solving skills, taking into account the complexity, cost, reliability and efficiency of the solution. Ability to write work in a given form. Ability to clearly explain the project through an oral defense of the Thesis.				
<b>Course outcomes</b>				
Ability to lead a standalone project, the ability to formulate and analyze problems, critically review possible solutions, review the literature in a particular area. Application of acquired engineering and design knowledge and problem solving skills, taking into account the complexity, cost, reliability and efficiency of the solution. Ability to write work in a given form. Ability to clearly explain the project through an oral defense of the Thesis.				
<b>Course outline</b>				
Master Thesis is the independent research, practical or theoretical-methodological work of the student in accordance with the level of studies, in which he/she becomes acquainted with a certain area through a literature review and adopts methodology of research, necessary for the work realization. By work on the Thesis, the student applies the practical and theoretical knowledge acquired during the studies. As a rule, the Master Thesis contains an introductory chapter, definition of the problem, overview of the areas and existing solutions, proposal and description of the solution, conclusion and literature. A public oral defense of the Thesis is organized in the presence of a commission of three members, one of which is a mentor of Thesis. During the oral defense, the candidate explains the results of his work, and then answers the commission's questions, whereby the candidate demonstrates the ability for the oral presentation of his/her project.				
<b>Theoretical teaching</b>				
<b>Practical teaching (exercises, OFE, study and research)</b>				
<b>Textbooks/references</b>				
1				
2				
3				
4				
5				
<b>Number of classes of active education per week during semester/trimester/year</b>				
<b>Lectures</b>	<b>Exercises</b>	<b>OFE</b>	<b>Study and research work</b>	<b>Other classes</b>
<b>Teaching methods</b>				
<b>Grade (maximum number of points 100)</b>				
<b>Pre-exam duties</b>		<b>Points</b>	<b>Final exam</b>	<b>Points</b>
<b>Activity during lectures</b>			<b>Written exam</b>	70
<b>Exercises</b>			<b>Oral exam</b>	30

Colloquia			
Projects			