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## Subject card

Subject name and code	MSc Diploma Thesis II, PG_00048803								
Field of study	Electronics and Telecommunications								
Date of commencement of studies	February 2023		Academic year of realisation of subject			2023/2024			
Education level	second-cycle studies		Subject group			Optional subject group Subject group related to scientific research in the field of study			
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	2		Language of instruction			Polish			
Semester of study	3		ECTS credits			14.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Decision Systems and Robotics -> Faculty of Electronics, Telecommunications and Informatics								
Name and surname	Subject supervisor	dr inż. Paweł Raczyński							
of lecturer (lecturers)	Teachers								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	0.0	0.0	0.0	0.0		0.0	0	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	ng activity Participation in classes include plan				Self-study		SUM	
	Number of study hours	0		30.0		320.0		350	
Subject objectives	Finalisation of the master thesis.								

simulation and experimental methods, notice their system them. He perceives his role in responsibility for the non-technical electronic assessment of suggested solutions and engineering workin. them. He perceives his role in responsibility for the non-technical electronic assessment of suggested solutions and engineering workin. Student prepares documentation for devineering workin. ISU/3 Assessment of ability to see methods and tools   IVF, UT01 can individually plan and pursuit their work lifelong education and influence others in this aspect, also by means of advanced information and communication technologies (ICT), and communication of supports of view, hold debutes, profilerent opinions and points of view, as well as use specialist terminology related to the field of study in communication of advanced informations of visious by activities related to the field of study in communication of advities related to the given qualifications of visious by accommunication of advities related to the given qualifications of visious by accommendation of advities related to the given qualifications of visious the proficipered and other continuend the actions for the public interest, think and act in environment, initiate actions for the public interest, think and act in environment, initiate actions for the public interest, and prostesion advities for the social environment, initiate actions for the public interest, and prostesion advities for the social environment, initiate actions for the public interest, and prostesion advities of the social environment, initiate actions for the public interest, and prostesion advities of the public interest and environment, initiate actions for the public interest and devine their enviro	Learning outcomes	Course outcome	Subject outcome	Method of verification		
pursuit their own iftelong   for developed by themselves advanced information and communication technologies (ICT), and communication technologies (ICT) and communication specialit issues with oliversity points of view, hold detabates, present, assess and discus different options and points of view, as well as use specialist terminology related to the field of study in communication (IKT, WOB) related to the field of the conditions of various types of activities of the economics and other conditions of various types of activities of the social biligation, including the principtes of protection of industrial property and copyright.   Student knows the rules of intellectual property protection. He contained in presentation   [SK5] Assessment of Knowled contained in presentation     IVT_CO3 is ready to meet social biligations, inspire and organise activities for the social biligation and provide contain and provide contain and provide contain and provide contain and precedual biligation and precedual biling to content and precedual biling to content and precedual biling to content and precedual problems   [SK5] Assessment of ability to solve problems that arise in practice     Subject contents   Student proposes a solution to the formulated problem, solving cognitive and practical problems   [SK5] Assessment of ability to solve problems that arise in practice     Prerequisites and corterina		formulating engineering tasks specifications and solving these tasks, can:n- apply analytical, simulation and experimental methods,n- notice their systemic and non-technical aspects,n- make a preliminary economic assessment of suggested	problems, analyze them and use analytical, simulation and experimental methods to solve them. He perceives his role in society and knows his responsibility for the non-technical	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to		
Inderstands, to an increased extent, the economic, legal and other conditions of various types of activities related to the given qualification, including the principles of protection of industrial property and copyright.   Intellectual property protection. He understands the impact of his sciutiles on the economics and environment in which he conducts business.   Knowledge (SKS) Assessment of knowledge environment in which he conducts     [K7_K03] is ready to meet social obligations, inspire and organise activities for the social environment, initiate actions for the public interest, think and act in an entregreneurial way   The student is prepared to perform professional functions in the social interest. Is able to organize and initiate activities for the public interest, think and act in the public interest and development of entrepreneurship.   [SK5] Assessment of ability to solve problems that arise in practice     Subject contents   Student proposes a solution to the formulated problem, selects the necessary tools and codes, configure the inervironment, plans and carries out experiments to evaluate the proposed solution, as well as preps the final version of the master thesis.     Prerequisites and correquisites   no requirements     Assessment methods and criteria   Subject passing criteria Acceptance of the final manuscript.   100.0%     Recommended reading   Basic literature   Depends on the subject of the thesis.     Supplementary literature   No requirements acceptance of the final manuscript.   No requirements acceptance of the final grac Acceptance of the final grac Acceptance of the final manuscript.		pursuit their own lifelong education and influence others in this aspect, also by means of advanced information and communication technologies (ICT), and communicate on specialist issues with diverse recipients, appropriately justify points of view, hold debates, present, assess and discuss different opinions and points of view, as well as use specialist terminology related to the field of	for developed by themselves solution for a technical problem,			
boligations, inspire and organise activities for the social environment, initiate actions for the public interest, think and act in environment, initiate actions for the public interest, and environment, initiate actions for the public interest and environment initiate actions for the public interest and environment initiate actions in the social interest is able to organize and initiate activities for the public interest and environment initiate actions in an entrepreneurial way development of entrepreneurship.   Image: Solve problems that arise in practice     [K7_K02] is ready to provide critical evaluation of received content and to acknowledge the importance of knowledge in solving cognitive and practical problems   The student is critical of the received content. Understands the isolve problems that arise in practice   [SK5] Assessment of ability to solve problems that arise in practice     Subject contents   Student proposes a solution to the formulated problem, selects the necessary tools and codes, configure their environment, plans and carries out experiments to evaluate the proposed solution, as well as prepa the final version of the master thesis.     Prerequisites and co-requisites   no requirements     Assessment methods and criteria   Subject passing criteria   Passing threshold   Percentage of the final grad Acceptance of the final manuscript.     Recommended reading   Basic literature   Depends on the subject of the thesis.     Supplementary literature eResources addresses   Adresy na platformie eNauczanie:		understands, to an increased extent, the economic, legal and other conditions of various types of activities related to the given qualification, including the principles of protection of	intellectual property protection. He understands the impact of his activities on the economics and environment in which he conducts	knowledge [SW2] Assessment of knowledge		
Initial evaluation of received content. Understands the importance of knowledge in solving cognitive and practical problems. solving cognitive and practical problems. solving cognitive and practical and technical problems. solving cognitive and practical problems. practice   Subject contents Student proposes a solution to the formulated problem, selects the necessary tools and codes, configure their environment, plans and carries out experiments to evaluate the proposed solution, as well as preparties and co-requisites no requirements   Assessment methods and criteria Subject passing criteria Passing threshold Percentage of the final grac Acceptance of the final manuscript.   Recommended reading Basic literature Depends on the subject of the thesis. Supplementary literature   Supplementary literature No requirements Adresy na platformie eNauczanie: Example issues/ executions/		obligations, inspire and organise activities for the social environment, initiate actions for the public interest, think and act in	perform professional functions in the social interest. Is able to organize and initiate activities for the public interest and	solve problems that arise in practice		
their environment, plans and carries out experiments to evaluate the proposed solution, as well as prepare the final version of the master thesis.   Prerequisites and co-requisites   Assessment methods and criteria   Subject passing criteria   Passing threshold   Percentage of the final grace   Acceptance of the final manuscript.   100.0%   Recommended reading   Basic literature   Supplementary literature   No requirements   eResources addresses   Adresy na platformie eNauczanie:		critical evaluation of received content and to acknowledge the importance of knowledge in solving cognitive and practical	received content. Understands the role of science in solving cognitive	solve problems that arise in		
and co-requisites Assessment methods   Assessment methods and criteria Subject passing criteria Passing threshold Percentage of the final grad   Acceptance of the final manuscript. 100.0% 100.0%   Recommended reading Basic literature Depends on the subject of the thesis.   Supplementary literature No requirements   eResources addresses Adresy na platformie eNauczanie:	Subject contents	their environment, plans and carries	out experiments to evaluate the prop			
and criteria Acceptance of the final manuscript. 100.0% 100.0%   Recommended reading Basic literature Depends on the subject of the thesis.   Supplementary literature No requirements   eResources addresses Adresy na platformie eNauczanie:		no requirements				
and criteria Acceptance of the final manuscript. 100.0% 100.0%   Recommended reading Basic literature Depends on the subject of the thesis.   Supplementary literature No requirements   eResources addresses Adresy na platformie eNauczanie:	•	Subject passing criteria	Passing threshold	Percentage of the final grade		
Recommended reading Basic literature Depends on the subject of the thesis.   Supplementary literature No requirements   eResources addresses Adresy na platformie eNauczanie:   Example issues/ example questions/ Image: Comparison of the thesis of thesis of thesis of the thesis of the thesis of thesis of		, , , ,	-	• •		
eResources addresses   Adresy na platformie eNauczanie:     Example issues/ example questions/	Recommended reading	Basic literature Depends on the subject of the thesis.				
Example issues/ example questions/						
	example questions/	erresources addresses	Adresy na platformie eNauczanie:			
Work placement Not applicable	Work placement	Not applicable				