



Subject card

Subject name and code	MSc Diploma Thesis I, PG_00047439						
Field of study	Electronics and Telecommunications						
Date of commencement of studies	October 2022		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		English		
Semester of study	3		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Microelectronic Systems -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Grzegorz Lentka				
	Teachers		dr hab. inż. Sławomir Ambroziak dr inż. Agnieszka Czapiewska dr inż. Wojciech Siwicki				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	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	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	0		30.0		95.0	125
Subject objectives	Carry out of the review and comparative analysis of literature regarding with the realized subject of the master's thesis. The presentation of general conception for solving the put problem.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[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 entrepreneurial way	Creates concepts for solving project-related problems in the area of electronics or telecommunications.	[SK2] Assessment of progress of work
	[K7_U08] while identifying and 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 solutions and engineering workn	The student is able to independently identify technical problems and seek their solutions using analytical, simulation and experimental methods. Is able to assess the economic, systemic and non-technical consequences of undertaken actions.	[SU3] Assessment of ability to use knowledge gained from the subject [SU1] Assessment of task fulfilment
	[K7_U10] can individually plan and 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 study in communication	The student is able to independently acquire knowledge from various sources, is able to use it to solve technical problems posed to him. He can present his solutions in the forum and can defend them with factual arguments. Knows professional terminology and is able to communicate with other specialists.	[SU1] Assessment of task fulfilment
	[K7_W09] Knows and 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 industrial property and copyright.	The student knows and understands the economic, legal and technical conditions of engineering activities. In particular, he knows and applies intellectual property and industrial property rights.	[SW3] Assessment of knowledge contained in written work and projects
	[K7_K02] is ready to provide critical evaluation of received content and to acknowledge the importance of knowledge in solving cognitive and practical problems	Is able to carry out literature research regarding the implementation of his project.	[SK2] Assessment of progress of work
Subject contents	realization of the chosen subject of master diploma under the thesis supervisor		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Partial preparing of the master's thesis.	100.0%	100.0%
Recommended reading	Basic literature	established individually by the thesis supervisor	
	Supplementary literature	no	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		