

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	MSc Diploma Thesis I, PG_00053404								
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering								
Date of commencement of studies	February 2024		Academic year of realisation of subject			2024/2025			
Education level	second-cycle studies		Subject gro	oup		Optior	nal subject gro	up	
						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	1		Language of instruction			Polish			
Semester of study	2		ECTS credits			4.0			
Learning profile	general academic pro	neral academic profile Assessment				assessment			
Conducting unit	Department of Biomedical Engineering -> Faculty of Electronics, Telecommunications and Informatics								
Name and surname	Subject supervisor		dr hab. inż. Mariusz Kaczmarek						
of lecturer (lecturers)	Teachers		dr inż. Grzegorz Jasiński						
			dr inż. Marek Tatara						
			dr inż. Magdalena Mazur-Milecka						
			dr inż. Tomasz Kocejko						
			dr hab. inż. Mariusz Kaczmarek						
			dr inż. Paweł Syty						
			dr inż. Piotr Mironowicz						
			dr Tomasz Neumann						
			dr Michał Kucewicz						
			dr hab. inż. R	dr hab. inż. Robert Bogdanowicz					
	dr hab. Marcin Gruszecki								
			dr hab. inż. Sebastian Molin						
			dr inż. Anna Węsierska						
			dr inż. Adam Bujnowski						
			dr inż. Artur Poliński						
			dr Brygida Mi	elewska					
			prof. dr hab. inż. Jacek Rumiński						
			prof. dr hab. inż. Bożena Kostek						
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Project	t	Seminar	SUM	
of instruction	Number of study	0.0	0.0	0.0	0.0	<u> </u>	0.0	0	
	E-learning hours inclu	E-learning hours included: 0.0							
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan 0		Participation in consultation hours 30.0		Self-study 70.0		SUM	
	Number of study hours							100	
Subject objectives	To familiarize students with the process of definition of the research problem, methods of its analysis, the method of evaluation of results and techniques for documenting the various stages of research								

Learning outcomes	Course outcome	Subject outcome	Method of verification			
	[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 the rules of protection intellectual values. understands the impact of your actions on economics and environment in which operates.	[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects			
	[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 knows the basic techniques of data modeling, key standards for IT systems and equipment, medical security techniques, computer methods of supporting diagnostics, and TI used in various fields of health care.	[SU2] Assessment of ability to analyse information			
	[K7_U08] while identifying and formulating engineering tasks specifications and solving these tasks, can: - apply analytical, simulation and experimental methods, - notice their systemic and non-technical aspects, - make a preliminary economic assessment of suggested solutions and engineering work	The student knows the basic data modeling techniques, key standards for information systems. The student knows the principles of intellectual property protection. Understands the impact of their activities on the economics and environment in which they operate.	[SU1] Assessment of task fulfilment			
	[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 knows and understands the principles of scientific work, research methods, and determine the conditions of their use	[SK5] Assessment of ability to solve problems that arise in practice			
	[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	Is able to work in a group, identify basic problems in the work environment and propose methods to solve them.	[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills			
Subject contents	Literature studies the issues under consideration. Choice, justification and development of research methods. Testing, calculations, analysis of the results, the project proposal. The implementation of the project. Comparative analysis, conclusions.					
Prerequisites and co-requisites						
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade			
	Master Thesis	60.0%	100.0%			
Recommended reading	Basic literature	Depends on studied topics				
	Supplementary literature	Depends on studied topics				
	Resources addresses Adresy na platformie eNauczanie:					
Example issues/ example questions/ tasks being completed						
Work placement	Not applicable					

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