GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	BSc Diploma Project I, PG_00047936
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering

Date of commencement of studies	October 2022	Academic year of realisation of subject	2024/2025
Education level	first-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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment

Conducting unit	Department of Biomedical Engineering -> Faculty of Electronics, Telecommunications and Informatics

Name and surname of lecturer (lecturers)	Subject supervisor	
	Teachers	

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	0.0	30
	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	30	5.0	15.0	50

Subject objectives	Preparing the student for the implementation of the diploma project, and then systematically monitoring the progress of his own work during the implementation of the project, giving him consultation, advice and guidance. Checking the practical effects of design work.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U05] can plan and conduct experiments related to the field of study, including computer simulations and measurements; interpret obtained results and draw conclusions	Creates concepts for solving project-related problems in the area of biomedical engineering. Is able to analyze the problem in terms of tools and methods useful to solve it.	[SU1] Assessment of task fulfilment
	[K6_K03] is ready to meet social obligations, co-organise activities for the social environment, initiate actions for the public interest, think and act in an entrepreneurial way	Justifies the social and technological significance of the solution and the path to achieving it.	[SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice
	[K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems	Prepares a review of the state of knowledge, justifies the need and motivation for implementing an engineering project.	[SK2] Assessment of progress of work
	[K6_U08] while identifying and formulating specifications of engineering tasks related to the field of study 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 work n	Knows CAD design tools, Matlab simulation environments, software development environments, text editing and presentation tools. Demonstrates the ability to plan design work taking into account technical and economic realities.	[SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
	[K6_U11] can plan and organise individual and team work	Can plan project stages, using project planning tools and monitoring its progress. In the case of team work, it is able to create and adhere to teamwork schedules, with the division of tasks between individual contractors.	[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment

Subject contents	Content in accordance with the project charter.		
Prerequisites and co-requisites			

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	50.0%	100.0%

Recommended reading	Basic literature	Content in accordance with the project charter.
	Supplementary literature	Content in accordance with the project charter.
	eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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