



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 2020	Academic year of realisation of subject			2022/2023		
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	dr Brygida Mielewska					
	Teachers	dr Brygida Mielewska					
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						
	Seminarium Inż FizMed s. zimowy 2023/24 - Moodle ID: 30541 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=30541						
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 on the project, giving him advice, advice and tips. Checking the practical effects of the project work.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U11] can plan and organise individual and team work	Is able to plan the project stages, using tools for project planning and monitoring its progress. In the case of team work, he can create and apply to team work schedules, running with the division of tasks between individual contractors.	[SU1] Assessment of task fulfilment [SU5] Assessment of ability to present the results of task
	[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	He knows the tools for CAD type design, Matlab simulation environments, software development environments, text editing and presentation tools. Demonstrates the ability to plan project work, taking into account technical and economic realities.	[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
	[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	The student justifies the social and technological significance of the project and the path to its achievement	[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness
	[K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems	the student prepares an overview of the state of knowledge, justifies the need and motivation for implementing an engineering project	[SK2] Assessment of progress of work
	[K6_U05] can plan and conduct experiments related to the field of study, including computer simulations and measurements; interpret obtained results and draw conclusions	the student independently prepares a work outline, an analysis of tasks to be performed, a design of a real or model system or its modifications, performs tasks assumed in the project and analyzes their results	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task
Subject contents	The subject is the student's own work project, under the supervision of a supervisor and consultants.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	progress of project implementation, commitment to own work	70.0%	70.0%
	frequency of contacting a supervisor and a project consultant	30.0%	30.0%
Recommended reading	Basic literature	The literature is indicated to the student implementing the project in accordance with the subject of the project.	
	Supplementary literature	Supplementary literature is indicated to the student implementing the project in accordance with the subject of the project.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	The main tasks for students implementing the project are to develop a review part based on a literature analysis, formulation of project assumptions and demonstration of progress in construction works, implementations and experiments.		
Work placement	Not applicable		