GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	BSc Diploma Project II, PG_00048817						
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2029/2030			
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	4		Language of instruction	Polish			
Semester of study	7		ECTS credits	13.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	Department of Multimedia Systems -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Brygida Mielewska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	60.0	0.0	60
	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	60		13.0	252.0	325	
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.						

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including:n - observing rules of professional ethics and require it from others,n - care for the achievements and traditions of the professionn</td><td>The diplomat should understand the issues of copyright belonging to the knowledge and technology he uses. He should point to the creative character of his own work, which respects the rights of other people or institutions. If the work is of a group nature, the graduate should demonstrate the awareness of the principles of division of tasks in the group.</td><td>[SK4] Assessment of communication skills, including language correctness
[SK5] Assessment of ability to solve problems that arise in practice
[SK1] Assessment of group work skills</td></tr>
<tr><td>[K6_U03] can design, according to required specifications, and make a simple device, facility, system or carry out a process, specific to the field of study, using suitable methods, techniques, tools and materials, following engineering standards and norms, applying technologies specific to the field of study and experience gained in the professional engineering environment</td><td>The student is able to design, in accordance with the specifications of the ICT engineer profession, and create a simple device, object, system, software or implement a process typical of the field of study, using appropriately selected methods, techniques, tools and materials, using engineering standards and norms, applying technologies appropriate to the fields of study and using experience gained in an environment professionally involved in engineering activities.</td><td>[SU4] Assessment of ability to use methods and tools
[SU3] Assessment of ability to use knowledge gained from the subject
[SU2] Assessment of ability to analyse information
[SU1] Assessment of task fulfilment</td></tr>
<tr><td>[K6_U11] can plan and organise individual and team work</td><td>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.</td><td>[SU1] Assessment of task fulfilment
[SU5] Assessment of ability to present the results of task</td></tr>
<tr><td>[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</td><td>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.</td><td>[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</td></tr>
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<tr><td>Subject contents</td><td>Course content – project
The subject is the student's own work project, under the supervision of a supervisor and consultants.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>progress of project implementation, commitment to own work</td><td>70.0%</td><td>70.0%</td></tr>
<tr><td>frequency of contacting a supervisor and a project consultant</td><td>30.0%</td><td>30.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>The literature is indicated to the student implementing the project in accordance with the subject of the project.</td></tr>
<tr><td>Supplementary literature</td><td>Supplementary literature is indicated to the student implementing the project in accordance with the subject of the project.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td>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.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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