



Subject card

Subject name and code	Team Project, PG_00055483						
Field of study	Mechatronics						
Date of commencement of studies	October 2026	Academic year of realisation of subject				2028/2029	
Education level	first-cycle studies	Subject group				Optional subject group	
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				4.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Department of Energy and Industrial Apparatus -> Faculty of Mechanical Engineering and Ship Technology - > Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Marek Galewski					
	Teachers						
Lesson types	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	20.0		50.0	100	
Subject objectives	Presentation of the design process and solve engineering problems						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U04] is able to utilise known methods and mathematical models as well as analogue and digital measurement methods for analysing and assessment of stationary continuous and discrete mechatronics systems and processes	Student applies methods and techniques to solve engineering problems adequate to a given tasks			[SU4] Assessment of ability to use methods and tools		
	[K6_U02] is able to elaborate on specific mechatronic topics as well as topics from engineering and technology sciences and disciplines such as Mechanical Engineering, Automation, Electronics, Electrical Engineering and Space Technologies	Student solves practical engineering tasks			[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfillment		
	[K6_U03] has self-learning skills	Student deepens his knowledge in the field corresponding to a given engineering problem			[SU3] Assessment of ability to use knowledge gained from the subject		
	[K6_U01] is able to acquire information from literature, databases and other, properly chosen sources, integrate these information, interpret them, draw conclusions and formulate opinions	Student selects knowledge sources and synthesises gained information			[SU2] Assessment of ability to analyse information		
Subject contents	<p>Course content – project</p> <p>Defining the problem. Solving engineering tasks using current knowledge and expertise. The use of modern tools supporting engineering activities and cooperation</p> <p>It is planned, to perform projects in cooperation with students from other degree courses, for example Mechanical-Medical Engineering. Students will cooperate in teams to expand existing or develop new solutions (based on a given specifications and constraints) in scope of, for example, mechanical construction, automatic control of device functions, communication, sensors, actuators, safety elements etc.</p>						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	design task	60.0%	100.0%
Recommended reading	Basic literature	No requirements	
	Supplementary literature	Teamwork and Project Management. K. Smith. McGraw-Hill Education 2013	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Design task will be defined by the tutor at the beginning of the semester For example: Project of the device for close transport of patients with limited mobility Project of the device for monitoring selected parameters of the sportsman during performing his exercises		
Practical activities within the subject	Not applicable		

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