GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project, PG_00055483					
Field of study	Mechatronics					
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	
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					
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Marek Galewski				
	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	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_U02] is able to elaborate on specific mechatronic topics as well as topics from engineering and technical sciences and disciplines such as Mechanical Engineering, Automation, Electronics and Electrical Engineering	Student solves practical engineering tasks	[SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment
	[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_U04] is able to utilse known methods and mathematical models as well as analog and digital measurement methods for analysing and assesement of stationary continous and discrete mechatronics systems and processes	Student applies methods and techinques to solve engineering probles adequate to a given tasks	[SU4] Assessment of ability to use methods and tools
	[K6_U01] is able to acquire infromation form literature, databases and other, properly choosen sources, integrate these infomration, interpret them, draw conclusions and formulate opinions	Student selects knowledge sources and synthetises geined information	[SU2] Assessment of ability to analyse information

| Subject contents | Defining the problem. Solving engineering tasks using current knowledge and expertise. The use of modern tools supporting engineering activities and cooperation

It is planed, 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. |
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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	Adresy na platformie eNauczanie:

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
Work placement	Not applicable