GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Team Project, PG_00055771		
Field of study	Mechanical and Medical Engineering		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2023/2024
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	Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Leszek Dąbrowski	
	Teachers	mgr inż. Marek Łubniewski dr inż. Sebastian Grelik-Urbanowski	

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	22.0	48.0	100

Subject objectives: Presentation of the design process and solve engineering problems

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U01] he/she is able to acquire knowledge and self-studying, he/she is able to find needed information in specialist books, databases and other sources, he/she is able to integrate information and draw conclusions, he/she is able to communicate by using different technics in work and outside	Student selects knowledge sources and synthetises geined information	[SU2] Assessment of ability to analyse information
[K6_U02] he/she is able to prepare design and technology documentations, present results of engineering tasks in Polish and English	Student prepares documentation of a multidisciplinary project	[SU5] Assessment of ability to present the results of task
[K6_U05] he/she is able to use analytic and modelling methods to formulate and solve engineering tasks related to the mechanical-medical area	Student solves practical engineering tasks	[SU1] Assessment of task fulfilment
[K6_U07] he/she is able to identify the problem and list simple engineering tasks to solve this problem in practice, he/she is able to critically analyze the proposed technical solutions and conclude whether these solutions can be implemented to solve problems related to design of mechanical devices and mechanical-medical devices	Student applies methods and techinques to solve engineering probles adequate to a given tasks	[SU4] Assessment of ability to use methods and tools

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 Mechatronics.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
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	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	

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