



Subject card

Subject name and code	Team Project, PG_00055771						
Field of study	Mechanical and Medical Engineering						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2025/2026		
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						
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 gained 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 planned, 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		