



Subject card

Subject name and code	Team Project, PG_00033399						
Field of study	Automation, Robotics and Control Systems						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2024/2025		
Education level	second-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	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Mechatronics and High Voltage Engineering -> Faculty of Electrical and Control Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Arkadiusz Żak				
	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	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		15.0		25.0	100
Subject objectives	The main purpose of the team project is to prepare students to work in a research team (together with other students, student employers or university research staff) to tackle an independently identified and formulated problem, as well as the proposed solution to a technical problem. Its solution requires gaining new and additional skills, self-education, knowledge transfer, planning and the organisation skills for individual and team working, as well as the preparation of necessary project documentation and presentation of the objectives achieved.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K7_U13		students understand the need for team communication as well as the importance of the quality of solutions proposed for their possible development in the future		[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information		
	K7_W06		students can use their knowledge and various techniques learned related with the realisation of the project		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation		
	K7_U02		students understand their role in a team and assigned tasks as well as control the fulfilment of schedule requirements		[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information		
Subject contents	Team project in the field of electrical and/or control engineering.						
	In the first phase team project activities take place supervised by an academic research staff member and/or with participation of other specialists related with the team project subject. During this phase the objectives, scope and basic assumptions of the project are formulated.						
	In the second phase students, in close contact with the team project supervisor, find solutions of individual tasks and problems formulated within the team project, prepare final presentation and report.						

Prerequisites and co-requisites	Basic skills related to the use of personal computer, word processor as well as programming related with professional requirements		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Individual activity	75.0%	50.0%
	Final presentation and report	75.0%	50.0%
Recommended reading	Basic literature	Individual literature selection according to the project subject chosen.	
	Supplementary literature	1. Renata Wojciechowska: Przewodnik metodyczny pisania pracy dyplomowej. Wydawnictwo Difin, 2010 2. Adam Wolański: Edycja tekstów. Praktyczny Poradnik. Wydawnictwo PWN, 2008	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	1. Project of an exoskeleton for heavy duty workers 2. Project of a system supporting rehabilitation of people with disabilities 3. Project of a monitoring system of technical devices, people health, etc.		
Work placement	Not applicable		