



Subject card

Subject name and code	Projects and teams management, PG_00057035						
Field of study	Mechatronics						
Date of commencement of studies	February 2023		Academic year of realisation of subject		2023/2024		
Education level	second-cycle studies		Subject group		Humanistic-social subject group		
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		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Institute of Energy -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Marzena Banaszek				
	Teachers		dr inż. Marzena Banaszek				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	15.0	0.0	15
	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	15		11.0		24.0	50
Subject objectives	The course aims to: understand the nature and types of projects; developing the ability to manage individual stages of the project, i.e. from project initiation, through planning and execution, to project control and evaluation, developing the ability to coordinate work in the project team, project budgeting and risk management.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications		The student has general knowledge in the field of humanities, social sciences, economics or law, including their basics and applications.		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_W09] knows general rules of individual and team work organisation as well as enterprise management that utilise knowledge in the area of technical sciences and science disciplines appropriate for mechatronics		The student knows the general principles of organizing individual and team work and running a business using knowledge in the field of technical sciences and scientific disciplines relevant to mechatronics.		[SW3] Assessment of knowledge contained in written work and projects		
	[K7_K81] is able to cooperate in international team at her/his own university, during work placement and during study abroad		The student is able to cooperate in an international team at their own university and during internships and studies abroad.		[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice		
	[K7_K01] understands the need for learning during the whole life; can inspire and organise process of mechatronic education and self-education		The student understands the need for lifelong learning; is able to inspire and organize the process of education and mechatronic self-education of oneself and others.		[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice		
Subject contents	Development of the project concept (idea and purpose of the project, nature of the project, time frame). Risk identification and risk management in projects (analysis of opportunities and threats for the project). Creating a project team. Delegation of tasks in the project (identification of tasks in the project, division of duties, powers and competences of project employees). Communication in the project team (principles and styles of managing, motivating and inspiring project employees, conflicts in project teams, conflict response techniques). Project documentation. Project implementation schedule. Creating the project budget and determining the sources of its financing (determining the direct and indirect costs of the project, internal and external sources of project financing). Monitoring and control of project implementation.						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Development of the project card and execution of the project	50.0%	100.0%
Recommended reading	Basic literature	1. Trocki M.,(red.): Nowoczesne zarządzanie projektami, PWE, Warszawa 2012 2. Redlarski K.: Podstawy metodyki zarządzania projektami w ujęciu klasycznym, Wydawnictwo Politechniki Gdańskiej, Gdańsk 2016 3. Dostatni E., Roszkowski H., Wirkus M.: Zarządzanie projektami, Zarządzanie i Inżynieria Produkcji, PWE, Warszawa 2014 4. Pawlak M.: Zarządzanie projektami, Wydawnictwo Naukowe PWN, Warszawa 2007 5. Sadkowska J., Chmielewski M.: Zarządzanie projektami. Wybrane aspekty, Wydawnictwo Uniwersytetu Gdańskiego, Wydawnictwo Uniwersytetu Gdańskiego, Gdańsk 2014	
	Supplementary literature	1. A guide to the project management body of knowledge, PMBOK Guide, Newtown Square: Project Management Institute, cop. 2013 2. Samuel J. Mantel, Jr. [et al.]: Project Management in Practice, 4th ed., Hoboken, NJ: Wiley, 2011 3. Kerzner H.: Project Management a Systems Approach, To Pleanning, Scheduling and Controlling 4. Berkun S.: Sztuka zarządzania projektami, Helion, 2006 5. Pritchard Carl L.: Zarządzanie ryzykiem w projektach, WIG - PRESS Warszawa 2002	
	eResources addresses	Adresy na platformie eNauczanie: Zarządzanie projektami i zespołami ludzi, P, M, sem.02 zimowy 23/24 (PG_00057035) - Moodle ID: 32042 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=32042	
Example issues/ example questions/ tasks being completed	Development of a project card and design of a toy / teaching aid showing the conversion of solar energy into another form of energy.		
Work placement	Not applicable		