



## Subject card

Subject name and code	Teamwork methodology, PG_00055472						
Field of study	Mechatronics						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study		
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		1.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Division of Materials Science and Technology -> Institute of Manufacturing and Materials Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Krzysztofowicz				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	7.0	0.0	0.0	0.0	0.0	7
	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	7		6.0		12.0	25
Subject objectives	The aim of the course is to learn the principles of teamwork and the acquisition of basic skills in the field organization and preparation of team work and the use of basic teamwork techniques.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W12] has knowledge on management and knowledge essential for understanding non-technical conditions of engineering activities; knows basic rules of industrial safety and intellectual property rights; is able to make use of patent databases		has the necessary knowledge and general knowledge rules		[SW1] Assessment of factual knowledge		
	[K6_U02] is able to elaborate on specific mechatronic topics as well as topics from engineering and technology sciences and disciplines such as Mechanical Engineering, Automation, Electronics, Electrical Engineering and Space Technologies		can develop detailed topics		[SU2] Assessment of ability to analyse information		
Subject contents	Definition and goals of creating teams. Principles of creating teams. Typical team components. Advantages and disadvantages teamwork. Teamwork techniques.						
	Division of work among team members. Choosing a leader. Defining the way of discussion and selection the best concepts. Adopt a team project plan. Develop a schedule. Term necessary resources and how to obtain them. Project implementation method. Development of a project documentation method. Protection of intellectual property. Ways of assessing the contribution and quality of work performed by team members. Ways of presenting solutions. Assessment methods.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Tem work assesment and colloquium		50.0%		100.0%		

Recommended reading	Basic literature	1. Kalin K., Muri P., Kierować sobą i innymi, Wydawnictwo Profesjonalnej Szkoły Biznesu, 1996. 2. Steward M. (red.), Praktyka kierowania, PWE, Warszawa 2002. 3. Ward M., 50 najważniejszych problemów zarządzania, Wydawnictwo Profesjonalnej Szkoły Biznesu, 1995. 4. Aronson E., Wilson T.D., Akert R.M.: Psychologia społeczna. Serce i umysł. Zysk i S-ka, Warszawa 1997. 5. Deal T.E., Kennedy A.A., Corporate Cultures: The Rites and Rituals of Corporate Life. Addison-Wesley Publ. Co. 1982. 6. Katzenbach J.R., Smith D.K.: Siła zespołów. Wpływ pracy zespołowej na efektywność organizacji. Oficyna Ekonomiczna, Kraków 2001.
	Supplementary literature	1. <a href="http://nf.pl/manager/motywacyjne-aspekty-pracy-w-zespole,,15555,54">http://nf.pl/manager/motywacyjne-aspekty-pracy-w-zespole,,15555,54</a> 2. <a href="http://gawedama.republika.pl/mg/pr_ze.html">http://gawedama.republika.pl/mg/pr_ze.html</a>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	1. Team goals  2. How the team is organized.  3. Advantages and disadvantages of teamwork.  4. Methods of team work	
Work placement	Not applicable	

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