



## Subject card

Subject name and code	Teamwork methodology, PG_00055472						
Field of study	Mechatronics						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2026/2027		
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	Zakład Materiałoznawstwa I Technologii Materiałowych -> 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_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		
	[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		
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	<ol style="list-style-type: none"> <li>1. Kalin K., Muri P., Kierować sobą i innymi, Wydawnictwo Profesjonalnej Szkoły Biznesu, 1996.</li> <li>2. Steward M. (red.), Praktyka kierowania, PWE, Warszawa 2002.</li> <li>3. Ward M., 50 najważniejszych problemów zarządzania, Wydawnictwo Profesjonalnej Szkoły Biznesu, 1995.</li> <li>4. Aronson E., Wilson T.D., Akert R.M.: Psychologia społeczna. Serce i umysł. Zysk i S-ka, Warszawa 1997.</li> <li>5. Deal T.E., Kennedy A.A., Corporate Cultures: The Rites and Rituals of Corporate Life. Addison-Wesley Publ. Co. 1982.</li> <li>6. Katzenbach J.R., Smith D.K.: Siła zespołów. Wpływ pracy zespołowej na efektywność organizacji. Oficyna Ekonomiczna, Kraków 2001.</li> </ol>
	Supplementary literature	<ol style="list-style-type: none"> <li>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></li> <li>2. <a href="http://gawedama.republika.pl/mg/pr_ze.html">http://gawedama.republika.pl/mg/pr_ze.html</a></li> </ol>
	eResources addresses	Adresy na platformie eNauczenie:
Example issues/ example questions/ tasks being completed	<ol style="list-style-type: none"> <li>1. Team goals</li> <li>2. How the team is organized.</li> <li>3. Advantages and disadvantages of teamwork.</li> <li>4. Methods of team work</li> </ol>	
Work placement	Not applicable	