



Subject card

Subject name and code	Decision-making and creative problem solving, PG_00072182						
Field of study	Engineering Management						
Date of commencement of studies	October 2025	Academic year of realisation of subject			2026/2027		
Education level	first-cycle studies	Subject group			Optional subject group		
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	3	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Human Capital -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Beata Krawczyk-Bryłka					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	16.0	0.0	0.0	0.0	16
	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	16	3.0		31.0		50
Subject objectives	to prepare students to make decisions and creatively solve problems, based on knowledge of decision-making processes, heuristics, and creative thinking techniques, as well as to develop attitudes related to conscious and responsible decision-making						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_K02] is prepared to make competent and ethical decisions to create and maintain economic, social, and environmental values, demonstrating entrepreneurial actions.	is prepared to make decisions taking into account the analysis of consequences, stakeholders' perspectives, and the use of a creative approach in the decision-making process.			[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice		
	[K6_U03] collaborates with others in solving interdisciplinary problems.	is able to collaborate with others in solving decision-making problems by applying selected techniques of situation analysis, identification of cognitive biases, and methods of creative problem solving.			[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools		
Subject contents	<p>Course content – exercises</p> <ol style="list-style-type: none"> 1. Introduction to decision-making 2. Heuristics and cognitive biases 3. Rationality and intuition in decision-making 4. Decision-making in social relationships 5. Group decision-making 6. Personal and cultural determinants of the decision-making process 7. Creativity and innovation 8. Creativity in the decision-making process 9. Creative thinking techniques 10. Creativity workshop 11. Team creativity 12. Creativity in entrepreneurial activities 						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	final team project	60.0%			60.0%		
	Tasks and exercises during the classes	60.0%			40.0%		

Recommended reading	Basic literature	Kahneman, D.: <i>Pułapki myślenia. O myśleniu szybkim i wolnym.</i> Cialdini, R.: <i>Wywieranie wpływu na ludzi. Teoria i praktyka</i> <i>De Bono, E.: Myślenie równoległe (Lateral Thinking)</i>
	Supplementary literature	Nęcka, E.: <i>Psychologia twórczości.</i> Nęcka E.: <i>Trening poznawczy</i> Jung M.W.: <i>Kreatywny mózg. Dlaczego jesteśmy wyjątkowi</i> Salas E., Tannenbaum S.: <i>Skuteczne zespoły</i>
	eResources addresses	
Example issues/ example questions/ tasks being completed	Analyze the situation and identify the errors made in the decision-making process. Work with your team to generate creative solutions to the given problem.	
Practical activities within the subject	Not applicable	

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