GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Decision-making and creative problem solving, PG_00072182		
Field of study	Economic Analytics		
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 Subject group related to scientific research in the field of study
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 Barbara Geniusz-Stepnowska	
	Teachers	dr Barbara Geniusz-Stepnowska	

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

eNauczanie source addresses:

Moodle ID: 6996 Decyzje i rozwiązywanie problemów NST
https://enauczanie.pg.edu.pl/2025/course/view.php?id=6996

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 ready to make decisions, particularly through considering multiple perspectives, analyzing cognitive biases, and applying creative thinking in teamwork focused on solving decision-making problems.	[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills
[K6_U03] collaborates with others in solving interdisciplinary problems.	is able to collaborate with others in solving problems, using decision-making techniques, analysis of heuristics and cognitive biases, and selected creative thinking methods.	[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject

Subject contents

Course content – exercises

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

<table>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Tasks and exercises during the classes</td><td>60.0%</td><td>40.0%</td></tr>
<tr><td>final team project</td><td>60.0%</td><td>60.0%</td></tr>
</table>
</td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>Kahneman, D.: Pułapki myślenia. O myśleniu szybkim i wolnym.

Cialdini, R.: Wywieranie wpływu na ludzi. Teoria i praktyka

De Bono, E.: Myślenie równoległe (Lateral Thinking)</td></tr>
<tr><td>Supplementary literature</td><td>Nęcka, E:. Psychologia twórczości.
Nęcka E.: Trening poznawczy
Jung M.W.: Kreatywny mózg. Dlaczego jesteśmy wyjątkowi
Salas E., Tannenbaum S.: Skuteczne zespoły</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">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.</td></tr>
<tr><td>Practical activites within the subject</td><td colspan="2">Not applicable</td></tr>
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