GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Psychology, PG_00038059		
Field of study	Electrical Engineering, Automation, Robotics and Control Systems		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	first-cycle studies	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	1	ECTS credits	3.0
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	dr Beata Krawczyk-Bryłka	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

E-learning hours included: 0.0

eNauczanie source addresses:
Moodle ID: 7181 PSYCHOLOGIA [2026/27]
https://enauczanie.pg.edu.pl/2025/course/view.php?id=7181

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	30	5.0	40.0	75

Subject objectives

The aim of the course is to deliver basic knowledge of psychological mechanisms influencing people behaviours, their consequences for student's and engineer's efficiency and for social behaviours.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	students understands the importance of psychological and social knowledge about people behaviour for person's effectiveness in student and engineering tasks and self-development	[SK5] Assessment of ability to solve problems that arise in practice
[K6_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems in a social environment	Student understands psychological and social determinants of the effective student's and engineer's behaviour and use this knowledge for self-development; student knows and implement the rules of interpersonal communication and team work; appreciates various team roles and uses own competences for the benefit of the team	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_W71] has general knowledge in humanistic, social, economic or legal sciences	Student has general knowledge of selected issues in the field of general and social psychology.	[SW1] Assessment of factual knowledge

<table>
<tr><td>Subject contents</td><td>Course content – lecture
•
Definition and Main Areas of Psychology

• Personality Factors Influencing Effective Performance
• Temperament, Personality, and Competencies
• The Engineer of the Future – Creativity, Critical Thinking, and Adaptability to Change
• Principles of Interpersonal Communication
• Evaluation as a Form of Interpersonal Interaction. Common Errors in Social Judgement
• The Psychology of Learning
• Principles and Characteristics of Effective Teamwork
• Team Roles and Teamwork Competencies
• Collaboration in Engineering Project Teams
• Strategies for Conflict Resolution in Teams
• Causes and Prevention of Aggressive Behaviour. Assertiveness
• The Psychology of Emotions – Recognition, Understanding, and Regulation
• Motivation and Psychological Well-Being
• Positive and Negative Effects of Stress on Personal Development. Stress Management Techniques
• People and New Technologies: Their Impact on Decision-Making and Interpersonal Relationships
• Values and Professional Responsibility in Engineering</td></tr>
<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>final test</td><td>50.0%</td><td>60.0%</td></tr>
<tr><td>in-class assignment (individual and team)</td><td>80.0%</td><td>40.0%</td></tr>
</table>
</td></tr>
<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>1. Gerrig Richard J., Philip Zimbardo "Psychologia I życie", PWN, Warszawa 2020.
2. Mietzel G., Wprowadzenie do psychologii, GWP, Gdańsk, 1999
3. Porter A., Psychologia. Wszystko, co trzeba wiedzieć zwarte w jednej książce, Adamantan, Warszawa 2020
4. Rose M. Spielman William J. Jenkins Marilyn D. Lovett Joanna Czarnota-Bojarska, Psychologia,OpenStax Poland, https://assets.openstax.org/oscms-prodcms/media/documents/Psychologia.pdf</td></tr>
<tr><td>Supplementary literature</td><td>1. Aronson E.(red.) 2001. Człowiek istota społeczna. Wybór tekstów. PWN, Warszawa
2. Aronson, E., Wilson, T.D., Akert, R.M., (2006), Psychologia społeczna
3. Chmiel, N. (2007), Psychologia pracy i organizacji, GWP, Gdańsk
4. Gellert M., Nowak C., "Zespół", GWP, Gdańsk 2008</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>• What are the main principles of behavioural psychology?
• List the most important principles of interpersonal communication.
• Which conflict resolution method would be the most appropriate in a given situation?
• What threats to psychological well-being can be identified in the situation described? How can they be addressed?</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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