



Subject card

Subject name and code	Psychology in transportation, PG_00064272						
Field of study	Transport						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study Humanistic-social subject group		
Mode of study	Full-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							
Name and surname of lecturer (lecturers)	Subject supervisor		Irena Leszczyńska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0	0.0	30
	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	30		2.0		18.0	50
Subject objectives	To recognise basic psychological aspects in transport user behaviours						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K02] understands the need to formulate and communicate to the public information and opinions on the achievements of environmental engineering and other aspects of work of a sanitary industry engineer; is aware of the importance of and understands non-technical aspects and consequences of engineering; takes steps to communicate such information and opinions in a comprehensible manner and present different points of view		The student is able to clearly communicate risks related to human error and unsafe behaviour, and to explain psychological mechanisms affecting transport safety while considering diverse user perspectives.		[SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills		
	[K6_U01] able to use technical documentation and literature, databases and other sources of transport related information; able to interpret information, make logical links and formulate opinions and conclusions based on the above		The student can analyse materials related to user behaviour, interpret psychological and behavioural data, and formulate conclusions regarding safety and the functioning of transport systems.		[SU2] Assessment of ability to analyse information		
	[K6_W06] has knowledge to understand transportation development planning considering economic, spatial, ecological, and social conditions and the consequences of transportation activities		The student understands the psychological factors influencing the behaviour of transport system users and can explain their relevance for diagnosing safety issues and evaluating transport system functioning in its social context.		[SW1] Assessment of factual knowledge		

Subject contents	Course content – lecture Fundamentals of transport psychology		
	Psychological profile of drivers		
	Methodology of psychological tests in transport psychology		
	Road accidents and prevention		
	Medical problems and driving		
	Course content – exercises Students analyze real traffic situations and identify perceptual, cognitive, and emotional errors made by road users. They perform short tests and simulations related to attention, reaction time, stress, and cognitive workload. Students work with case studies of accidents and incidents to learn how to recognize psychological causes of such events. Additionally, they develop simple solutions aimed at improving the safety and comfort of transport users.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exercises	50.0%	100.0%
Recommended reading	Basic literature	Psychology of risk behaviours in road traffic. Ewa Odachowska, ITS Bak J.; Bąk-Gajda D.: Transport psychology nad road safety. Difin 2010	
	Supplementary literature	1. Shinar, D. <i>Traffic Safety and Human Behavior</i> . Emerald Publishing. 2. Reason, J. <i>Human Error</i> . Cambridge University Press. 3. Evans, L. <i>Traffic Safety</i> . Science Serving Society.	
	eResources addresses		
	Example issues/ example questions/ tasks being completed		
Practical activities within the subject	Not applicable		

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