



Subject card

Subject name and code	Social aspects in transport engineering, PG_00062425						
Field of study	Transport						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2023/2024		
Education level	second-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	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 Transportation Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. arch. Romanika Okraszewska				
	Teachers		mgr inż. Anna Gobis				
			dr inż. arch. Romanika Okraszewska				
			dr inż. Marcin Budzyński				
			dr hab. inż. Kazimierz Jamroz				
			mgr inż. Tomasz Mackun				
			dr inż. Krystian Birr				
			dr hab. inż. Jacek Oskarbski				
dr inż. Joanna Wachnicka							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	15.0	0.0	0.0	0.0	45
	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	45		10.0		20.0	75
Subject objectives	Identification of mutual relations between transport development and social changes: the impact of transport engineering achievements (infrastructure, autonomous vehicles, ITS) on society and society on transport engineering solutions (new technologies, social participation, etc.). Assessment of potential opportunities and threats resulting from various scenarios of transport development and social changes.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications	The student has general knowledge of the mutual relations between the development of transport and social development.	[SW1] Assessment of factual knowledge
	[K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment	The student is able to explain the need to implement the principles of universal design to ensure full accessibility of transport for all users.	[SK5] Assessment of ability to solve problems that arise in practice
	[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	The student is able to calculate the value of individual social impact criteria used in the multi-criteria analysis method when selecting the optimal investment option.	[SU4] Assessment of ability to use methods and tools
	[K7_W05] takes into account in its analyzes in an in-depth manner both the technical, environmental, economic, legal and ethical context, being aware of responsibility for the consequences of its decisions, supporting the development of individual entrepreneurship	The student has knowledge about diverse transport needs resulting from the characteristics of users	[SW2] Assessment of knowledge contained in presentation
Subject contents	Social aspects of transport engineering - development of a mainmap of areas and thematic issues detailed in subsequent lectures, including: the impact of transport development on the living environment, people with special needs in transport, universal design in transport, thinking in the life cycle of a transport facility, social aspects in transport documentation, the role of society in the process of planning transport infrastructure, social participation in the design process, transport vs. social exclusion, the need for equal/fair access to transport, transport and public health, the impact of new trends in transport engineering on society, the impact of emergency situations on mobility, employment in transport sector.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	0-10	60.0%	50.0%
	0-100	60.0%	50.0%
Recommended reading	Basic literature	<p>Social aspects of transport:</p> <ul style="list-style-type: none"> Managing the Social Dimensions of Transport. The Role of Social Assessment, Social Development Department/Transport Division, The World Bank, 1999 <p>People with Special Needs:</p> <ul style="list-style-type: none"> Act of July 19, 2019 on ensuring accessibility for people with special needs (Journal of Laws of 2019, item 1696) International Classification of Disability and Health Functioning (ICF), World Health Organization, Geneva 2009 <p>Transport availability:</p> <ul style="list-style-type: none"> Improving Transport Accessibility for All. Guide to Good Practice, European Conference of Ministers of Transport, 2006 Verseckienė A., Meškauskas V., Batarlienė N., 2016. Urban Public Transport Accessibility for People with Movement Disorders: the Case Study of Vilnius, [in:] Procedia Engineering 134, pp.48-55 Social exclusion: Lucas K.: Transport and social exclusion: Where are we now? Transport Policy, 2012, vol. 20, pp. 105-113. Church A., Frost M., Sullivan K., 2000. Transport and social exclusion in London. Journal of Transport Policy, vol. 7, no. 3, pp. 195-205. <p>Social participation:</p> <ul style="list-style-type: none"> Bluj A., Jagaciak M., Perchuc-Zółtowska M., PliszczynskaPracownia K., ABC of civic participation - a guide for organizers of participatory processes, Research and Social Innovation "Stocznia", Warsaw 2018 	
	Supplementary literature	<p>Useful links:</p> <p>partycypacjaobywatelska.pl</p>	

	eResources addresses	Adresy na platformie eNauczenie: Aspekty społeczne w inżynierii transportowej - Moodle ID: 37036 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37036
Example issues/ example questions/ tasks being completed	<p>Wskaż trzy grupy OzSP i wskaż różnice w potrzebach transportowych i oczekiwaniach względem infrastruktury transportu.</p> <p>Omów zagadnienie kosztów społecznych transportu</p> <p>Omów potencjalne scenariusze wpływu pojazdów autonomicznych na społeczeństwo.</p>	
Work placement	Not applicable	

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