



Subject card

Subject name and code	Social aspects in transport engineering, PG_00062425								
Field of study	Transport								
Date of commencement of studies	February 2026	Academic year of realisation of subject		2025/2026					
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 -> Faculties of Gdańsk University of Technology								
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. arch. Romanika Okraszewska							
Lesson types	Teachers								
	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar			
	Number of study hours	30.0	15.0	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		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	Course content – lecture 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	<p>Basic literature</p> <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., Batarliūnė N., 2016. Urban Public Transport Accessibility for People with Movement Disorders: the Case Study of Vilnius, [in:] Procedia Engineering 134, pp.48-55 <p>Social exclusion:</p> <ul style="list-style-type: none"> 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., Perchuć-Żółtowska M., Pliszczynska Pracownia 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				
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>				
Practical activites within the subject	Not applicable				

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