



## Subject card

Subject name and code	Public transport management, PG_00044653						
Field of study	Transport						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish		
Semester of study	7	ECTS credits			4.0		
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 Justyna Staszak-Winkler					
	Teachers	dr Justyna Staszak-Winkler dr inż. Krystian Birr					
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		45.0	100	
Subject objectives	The aim of the course is to familiarize students with the basics of public transport management, with particular emphasis on planning and organizing.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W17] has proficiency in transport systems as appropriate for their specialty	The student knows the principles of shaping public transport systems, including design of public transport offer			[SW3] Assessment of knowledge contained in written work and projects		
	[K6_U12] able to select tools and methods, carry out assessments and simple tests of transport systems to an extent required of the specialty / learning profile	The student is able to formulate, evaluate and select variants of transport system			[SU1] Assessment of task fulfilment		

Subject contents	<p>Basics of public transport management</p> <p>Demand management in public transport</p> <p>Supply management in public transport</p> <p>Marketing management in public transport</p> <p>Institutions related to transport management</p> <p>Transport network planning</p> <p>Organizing of public transport</p> <p>Methods and tools for assessing the functioning of public transport</p> <p>Public transport infrastructure solutions</p> <p>Structures of public transport networks in cities</p> <p>Designing public transport networks</p> <p>Timetable design</p>											
Prerequisites and co-requisites	<p>Knowledge of concepts and issues related to:</p> <p>functioning of transport systems,</p> <p>methods of research on transport behavior of transport system users</p> <p>road and passenger traffic measurement methods,</p> <p>economic dependencies between supply and demand in transport</p>											
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 1435 794 1469">Subject passing criteria</th> <th data-bbox="799 1435 1137 1469">Passing threshold</th> <th data-bbox="1142 1435 1469 1469">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1469 794 1503"></td> <td data-bbox="799 1469 1137 1503">50.0%</td> <td data-bbox="1142 1469 1469 1503">40.0%</td> </tr> <tr> <td data-bbox="456 1503 794 1536"></td> <td data-bbox="799 1503 1137 1536">60.0%</td> <td data-bbox="1142 1503 1469 1536">60.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade		50.0%	40.0%		60.0%	60.0%
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Recommended reading	Basic literature	<p>1. Wyszomirski O.: Transport miejski ekonomika i organizacja, Gdańsk, 2007</p> <p>2. Dziekan K.: Easy-to-use public transport. Learning from the mistakes of human beings a psychological approach, PhD Thesis, 2003</p> <p>3. Transport Research Laboratory: The Demand for Public Transport: A Practical Guide, TRL Report 593, 2004</p> <p>4. Kołodziejski H.: Projektowanie rozwoju publicznego transportu zbiorowego w planach transportowych na przykładzie województwa pomorskiego, 2014</p> <p>5. Nielsen G., HiTrans: Best practise guide Public transport Planning the networks, HiTrans 2015</p> <p>6. Birr K.: Struktury sieci transportu zbiorowego w miastach, 2013</p>
	Supplementary literature	<p>1. Ustawa z dnia 16 grudnia 2010 r. o publicznym transporcie zbiorowym</p> <p>2. Ustawa z dnia 16 kwietnia 2004 r. o czasie pracy kierowców</p>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	<p>The role and functioning of public transport in cities</p> <p>Features and importance of selected elements of cities' transport policy</p> <p>Principles of designing legible passenger information.</p> <p>Demand and supply oriented public transport management</p> <p>Organizing public transport</p> <p>Management of public transport</p> <p>Types of public transport network structures</p> <p>Designing a timetable</p> <p>Methods, tools, measures for assessing the functioning of public transport</p>	
Work placement	Not applicable	