



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	Basics of public transport management		
	Demand management in public transport		
	Supply management in public transport		
	Marketing management in public transport		
	Institutions related to transport management		
	Transport network planning		
	Organizing of public transport		
	Methods and tools for assessing the functioning of public transport		
	Public transport infrastructure solutions		
	Structures of public transport networks in cities		
	Designing public transport networks		
	Timetable design		
Prerequisites and co-requisites	Knowledge of concepts and issues related to:		
	functioning of transport systems,		
	methods of research on transport behavior of transport system users		
	road and passenger traffic measurement methods,		
	economic dependencies between supply and demand in transport		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		50.0%	40.0%
		60.0%	60.0%

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. Kołodziejcki 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	