GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Public transport management, PG_00044653
Field of study	Transport

Date of commencement of studies	October 2021	Academic year of realisation of subject	2024/2025
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 inż. Krystian Birr
	Teachers	mgr inż. Konrad Biszko
		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						
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/index.php?id=7149						

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 acquaint students with elements of management and planning for the development of public transport.

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 line and schedule design.	[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	Student is able to formulate, evaluate and choose variants of the transport system in the field of public transport design.	[SU1] Assessment of task fulfilment

Subject contents	- Definition of transport network planning tasks - Service market and users - Institutions related to transport management - The structure of the public transport network - Designing a public transport network - Timetable design - Methods and tools for assessing the functioning of public transport - Solutions for public transport infrastructure

Prerequisites and co-requisites	Knowledge of concepts and issues related to:
	• functioning of transport systems,
	• methods of studying transport behavior of transport system users
	• methods of road and passenger traffic measurements,
	• economic dependencies between supply and demand in transport.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Exam	60.0%	60.0%
	Report	50.0%	40.0%

Recommended reading	Basic literature	1. Wyszomirski O.: Transport miejski ekonomika i organizacja, Gdańsk 20072. Dziekan K.: Easy-to-use public transport. Learning from the mistakes of human beings a psychologicalapproach, PhD Thesis 20033. Transport Research Laboratory: The Demand for Public Transport: A Practical Guide, TRL Report 593, 20044. Kołodziejski H.: Projektowanie rozwoju publicznego transportu zbiorowego w planach transportowych naprzykładzie województwa pomorskiego, 20145. Nielsen G., HiTrans: Best practise guide Public transport Planning the networks, HiTrans 20156. Birr K.: Struktury sieci transportu zbiorowego w miastach, 2013
	Supplementary literature	1. Ustawa z dnia 16 grudnia 2010 r. o publicznym transporcie zbiorowym
		2. Ustawa z dnia 16 kwietnia 2004 r. o czasie pracy kierowców
	eResources addresses	Adresy na platformie eNauczanie: Zarządzanie transportem zbiorowym - Transport - sem.VII - 2024/25 - Moodle ID: 41357 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=41357

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

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