



## Subject card

Subject name and code	, PG_00065232						
Field of study	Transport						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	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	2	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 hab. inż. Joanna Żukowska					
	Teachers	mgr inż. Konrad Biszko dr hab. inż. Joanna Żukowska dr inż. arch. Romanika Okraszewska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	15.0	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	0.0		0.0		45
Subject objectives	Equip students with the knowledge and skills necessary to effectively plan, implement and manage mobility systems in a variety of contexts.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_K01] recognizes the importance of knowledge related to the field of study in solving cognitive and practical problems	Understand the significance of transportation engineering in addressing the operational issues of transportation systems in cities.			[SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills		
	[K7_U05] cooperates with other people in the implementation of team work, both as a leader and a team member, effectively achieving set goals	Is able to work in a team, completing tasks in a coordinated manner to achieve a cohesive mobility project.			[SU1] Assessment of task fulfillment [SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task		
	[K7_W01] identifies in an in-depth way phenomena related to the field of study as well as theories describing them and possible methods of analyzing processes occurring in the life cycle of technical systems	Knows and understands the interdependence of the transportation system and quality of life. Possesses knowledge of the planning and management procedures for mobility in urban areas.			[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Introduction to mobility management; policies and regulations in mobility management; urban mobility planning; sustainable mobility; characteristics of SUMPs; role of public transport in mobility management; active mobility; mobility of people with special needs; parking management; mobility as a service (MaaS); mobility and traffic safety; corporate mobility management; future technologies in mobility management; mobility management in emergencies						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		50.0%	50.0%
		50.0%	50.0%
Recommended reading	Basic literature	<p>1. "Transport Planning and Traffic Engineering" - C. A. O'Flaherty</p> <p>2. "Urban Transport Systems: Choices for Communities" - David A. Hensher, Kenneth J. Button</p> <p>3. "Sustainable Transportation: Problems and Solutions" - William R. Black</p> <p>4. "Mobility as a Service (MaaS): The Road to Public Transport 2.0" - David A. Hensher, Corinne Mulley</p> <p>5. "Intelligent Transport Systems: Technologies and Applications" - Asier Perallos, Unai Hernandez-Jayo, Enrique Onieva, Ignacio Julio Garcia Zuazola</p> <p>6. "Transport and Climate Change" - Tim Ryley, Lee Chapman</p> <p>7. "Parking: Issues and Policies" - Stephen Ison, Corinne Mulley</p> <p>8. "Road Safety Management: The Safe System Approach" - Ian Johnston, Carlyn Muir, Eric Howard</p> <p>9. "Active Transportation: Making the Link from Transportation to Physical Activity and Public Health" - Jennifer Dill, Susan L. Handy</p>	
	Supplementary literature	<p>1. Guidelines for the integration of Mobility Management with Land Use Planning. Project MaxLupo. FR6. 2009</p> <p>2. Rupprecht Consult (editor), Guidelines for Developing and Implementing a Sustainable Urban Mobility Plan, Second Edition, (2019)</p> <p>3. Šmid P., Lukešová P., Mourek D.: Plany mobilności, Fundacja Partnerstwa dla Środowiska, Kraków 2011</p>	
	eResources addresses	Adresy na platformie eNauczenie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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