



Subject card

Subject name and code	, PG_00069816						
Field of study	Zarządzanie mobilnością						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2025/2026		
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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Joanna Żukowska				
	Teachers		dr hab. inż. Joanna Żukowska				
			dr inż. arch. Romanika Okraszewska				
			mgr inż. Konrad Biszko				
Lesson types	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		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.		[SK1] Ocena umiejętności pracy w grupie [SK4] Ocena umiejętności komunikacji, w tym poprawności językowej		
	[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.		[SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU2] Ocena umiejętności analizy informacji [SU1] Ocena realizacji zadania		
	[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		Understand the significance of transportation engineering in addressing the operational issues of transportation systems in cities.		[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym [SW2] Ocena wiedzy zawartej w prezentacji		

Subject contents	Course content – lecture Mobility management in companies, Urban mobility planning, Sustainable urban mobility plans, Mobility management policies and regulations, Active mobility, Public transport, Mobility of people with special needs, Parking management, Mobility and road safety, Mobility management in crisis situations, Mobility as a service, Future technologies in mobility management, Summary and future of mobility management		
	Course content – laboratory Literature studies on guidelines for creating mobility plans. Analysis of sample mobility plans. Presentation of selected studies. Identification of problems for a selected facility and district. Preparation of a mobility plan outline in accordance with the guidelines. Preparation of a survey for the purposes of preparing a mobility plan. Site visit, photographic documentation, verification of problems to be solved with the help of the mobility plan and opportunities for effective implementation of the plan. Discussion on mobility solutions (e.g., information campaigns, infrastructure development, use of innovative solutions). Preparation and presentation of own mobility plans.		
	Course content – project Literature studies on guidelines for creating mobility plans. Analysis of sample mobility plans. Presentation of selected studies. Identification of problems for a selected facility and district. Preparation of a mobility plan outline in accordance with the guidelines. Preparation of a survey for the purposes of preparing a mobility plan. Site visit, photographic documentation, verification of problems to be solved with the help of the mobility plan and opportunities for effective implementation of the plan. Discussion on mobility solutions (e.g., information campaigns, infrastructure development, use of innovative solutions). Preparation and presentation of own mobility plans.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Lecture (written test)	50.0%	50.0%
	Project	50.0%	50.0%

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

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