

## GDAŃSK UNIVERSITY

## Subject card

Subject name and code	Roads and Streets, PG_00059956								
Field of study	Environmental Engineering								
Date of commencement of studies	February 2023		Academic year of realisation of subject			2023/2024			
Education level	second-cycle studies		Subject group			Obligatory subject group in the field of study			
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			2.0			
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. Łukasz Mejłun						
	Teachers	dr inż. Łukasz							
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	15.0	0.0	0.0	15.0		0.0	30	
	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	30		5.0		20.0		55	
Subject objectives	The aim of the course is to familiarize students with the type and division of road pavements, materials used in road structures, their construction, and with the design of horizontal and vertical geometry of roads and streets, as well as with normal cross-sections.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	K7_W05		of road pavements, their types, construction, materials used and their properties, as well as the			[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation			
	ordered knowledge of the current law on construction, water,		necessary information from standards and guidelines, select it and use it in practice.			[SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation			
			necessary information from literature, standards and guidelines, select it and use it in practice.			[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment			

Subject contents	1. Types of roads.								
Subject contents	, T. Types of roads.								
	<ol> <li>Types of road pavements.</li> <li>Road pavement structures.</li> </ol>								
	<ul> <li>4. Materials in road pavement structures.</li> <li>5. The road in the horizontal plan.</li> <li>6. Road in a longitudinal profile.</li> </ul>								
	7. The road in cross-sections.								
Prerequisites and co-requisites									
Assessment methods	Subject passing criteria	Deceing threshold	Percentage of the final grade						
and criteria	Subject passing criteria design - project	Passing threshold 50.0%	34.0%						
	lecture - test	50.0%	66.0%						
Recommended reading	Basic literature	1.Z. Wiłun Zarys geotechniki WKŁ							
r to commenta ou rouuring									
	2.R. Edel Odwodnienie dróg WKŁ								
		3.K. Błażejowski, S. Styk Technologia warstw bitumicznych WKŁ							
		4.J. Piłat, P. Radziszewski Nawierzchnie asfaltowe WKŁ							
5.A. Szydło Nawierzchnie drogowe z betonu cementoweg Cement									
	6.Katalog Typowych Konstrukcji Nawierzchni Podatnych i Półsztywnych. 2014. PG, GDDKiA.								
		7.Katalog Typowych Konstrukcji Nawierzchni Sztywnych. 2014. PWr, GDDKiA.							
		8. Wytyczne Techniczne do projektowania dróg WR-D							
	6. Wytyczne rechniczne do projektowania drog WR-D								
	Supplementary literature	Lecture and design presentations prepared by the course coordinator (teacher).							
	eResources addresses	Adresy na platformie eNauczanie:							
Example issues/									
example questions/									
tasks being completed									
	1. List the types of road pavements	nents depending on the material of the wearing course.2. On what basis is the lected?3. What are the methods of road pavement drainage?4. In which							
	pavement layers can recycled materials be used?								
	Not applicable								
Work placement									