GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Roads Motorways I, PG_00049147						
Field of study	Civil Engineering						
Date of commencement of studies	October 2022		Academic year of realisation of subject	2024/2025			
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery	at the university			
Year of study	3		Language of instruction	Polish			
Semester of study	5		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 inż. Jacek Alenowicz					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	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	5.0	25.0	75

Subject objectives	Getting basic knowledge on geometrical design of roads, road earthworks and pavement subsoil.

Learning outcomes

Course outcome	Subject outcome	Method of verification

Subject contents	Road users and vehicles. Road and motorway design process. Basic parameters for road design. Designing of cross section, vertical and horizontal alignments. Road capacity. Road safety. Earthworks - design and basic rules of execution. Road drainage.
Prerequisites and co-requisites	

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Design of a road section	100.0%	100.0%

Recommended reading	Basic literature	1. Węzły drogowe i autostradowe. Praca pod red. Prof. R. Krystka. WKiŁ Warszawa, 2008. 2. Gaca S., Suchorzewski W., Tracz M.: Inżynieria Ruchu drogowego. Teoria i praktyk. WKŁ Warszawa 2009 3. Edel R., Odwodnienie dróg , WKŁ, Warszawa 2009 4. Wiłun Z. Zarys geotechniki, WKŁ, 2013
	Supplementary literature	1. Głażewski M., Nowocień E., Piechowicz K. Roboty ziemne i rekultywacyjne w budownictwie komunikacyjnym, WKŁ, 2011. 2. Warunki techniczne jakim powinny odpowiadać drogi publiczne i ich usytuowanie. Dziennik Ustaw, Warszawa 2016
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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