GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Organization and road traffic control, PG_00044649		
Field of study	Transport		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2023/2024
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	3	Language of instruction	Polish
Semester of study	6	ECTS credits	4.0
Learning profile	general academic profile	Assessment form	exam
Conducting unit	Department of Transportation Engineering -> Faculty of Civil and Environmental Engineering		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Jacek Oskarbski	
	Teachers	mgr inż. Karol Żarski mgr inż. Łukasz Jeliński dr hab. inż. Jacek Oskarbski	

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	10.0	45.0	100

Subject objectives

To familiarise the student with the methods and means of traffic organisation and practicalskills in traffic organisation design.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[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	The student is able to select methods and means of traffic organisation. The student carries out basic research necessary to design a traffic organisation project. Student design a traffic organisation project.	
[K6_W17] has proficiency in transport systems as appropriate for their specialty	The student shall describe and classify methods and means of traffic organisation traffic organisation. He or she identifies problems in the field of traffic management.	

Subject contents

LECTURE Methods and measures of traffic organisation. Systems of routes with priority and one-way streets. Accessibility and parking. Pedestrian and bicycle traffic organisation. Priorities for selected groups of vehicles. Vertical and horizontal road signs. The system of payment for entering traffic zones. Traffic safety devices. Speed management. Advanced traffic management. PROJECT WORKSHOP Project of traffic organisation on a fragment of a street system in a chosen city.

Prerequisites and co-requisites

Knowledge of Transport Systems and Processes, Traffic Engineering

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
exam	60.0%	60.0%
design and workshop part	90.0%	40.0%

Recommended reading	Basic literature	1.Gaca S., Suchorzewski W., Tracz M.: Inżynieria Ruchu DrogowegoWKŁ 2008
	Supplementary literature	1.Tracz M. i inni: Badania I pomiary ruchu drogowego. WKŁ Warszawa1984. 2.Jamroz K. i inni.: Systemy sterowania ruchem ulicznym. WKŁ,1984 r. 3.Czasopisma: Drogownictwo, Transport Miejski i Regionalny,Traffic Engineering & Control,
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	1. State the purposes and requirements for the use of vertical markings. Give three examples of mistakesof mistakes made when designing vertical markings2 Characterise the factors influencing the danger of road works, list the placesmost frequent occurrence of road incidents in the area of road works and their causes.causes of their occurrence.3. List the most common deficiencies of temporary horizontal markings.4. List and describe methods of organising road works. 5.5. list the means of organising road traffic. What are the basic objectives of traffic organisation.6. what are congestion charging schemes and for what purpose are such schemes used.7. Give a breakdown of traffic calming measures by road function, speed and type of traffic. PleaseGive one example for each group of traffic calming.8 What are the purposes of using advanced traffic management systems.9 For what purpose are public transport priorities applied. Please give three examplespossible measures which ensure priority to public transport vehicles.	
Work placement	Not applicable	