



Subject card

Subject name and code	Engineering project, PG_00044668						
Field of study	Projekt inżynierski (ST)						
Date of commencement of studies	October 2022		Academic year of realisation of subject		2025/2026		
Education level	first-cycle studies		Subject group				
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		14.0		
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. Jacek Oskarbski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	0.0	0
	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	0		20.0		330.0	350
Subject objectives	The main goal is to complete the diploma thesis on engineering. The intermediate objectives are to confirm the student's detailed knowledge in the area covered by the diploma thesis and to demonstrate the ability to solve an engineering problem.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U10] able to carry out simple engineering tasks related to the construction and operation of a selected element of the transport system, select the right methods and tools, select the right technical parameters for an object to be designed including economic and environmental aspects	Students will be able to formulate and solve an engineering task in transport, they will be able to use measuring and analytical methods and tools,	[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania [SU4] Ocena umiejętności korzystania z metod i narzędzi [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU2] Ocena umiejętności analizy informacji [SU1] Ocena realizacji zadania
	[K6_U09] able to, when formulating and solving engineering problems in transport, use the right methods and devices to carry out measurements of basic values and parameters used in transport, carry out stress tests of structures, select the right materials, select elements of devices	Students will be able to formulate and solve an engineering task in transport, they will be able to use measuring and analytical methods and tools,	[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania [SU4] Ocena umiejętności korzystania z metod i narzędzi [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU2] Ocena umiejętności analizy informacji [SU1] Ocena realizacji zadania
	[K6_K01] able to think and act creatively and enterprisingly; able to define priorities to support the delivery of an individual or group task; understands the need for continuous education and taking responsibility as a professional for their work and the work of the team	Students can analyse source materials, draw conclusions and formulate engineering problems.	[SK2] Ocena postępów pracy [SK5] Ocena umiejętności rozwiązywania problemów występujących w praktyce [SK4] Ocena umiejętności komunikacji, w tym poprawności językowej [SK3] Ocena umiejętności organizacji pracy
	[K6_W16] has basic knowledge of industrial and intellectual property protection and copyright law	The student organizes and is able to use basic knowledge in the field of safety and reliability in transport in order to solve tasks connected with the engineering project	[SW3] Ocena wiedzy zawartej w opracowaniu tekstowym i projektowym [SW1] Ocena wiedzy faktograficznej
	[K6_U02] able to use patent information on transport systems, infrastructure and means of transport	The student can use sources in the field of operation and construction of means of transport systems.	[SU5] Ocena umiejętności zaprezentowania wyników realizacji zadania [SU4] Ocena umiejętności korzystania z metod i narzędzi [SU3] Ocena umiejętności wykorzystania wiedzy uzyskanej w ramach przedmiotu [SU2] Ocena umiejętności analizy informacji [SU1] Ocena realizacji zadania
Subject contents			
Prerequisites and co-requisites	Knowledge based on study programme		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	assessment of reviewer	60.0%	50.0%
	assessment of the tutor	60.0%	50.0%
Recommended reading	Basic literature	depends on work issues	
	Supplementary literature	depends on work issues	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Conceptual design of shared-space application in selected areas of the city Conceptual project to improve safety of pedestrian and cycling traffic in the school environment Conceptual design of dedicated bus lanes in a street section Conceptual design of traffic control in the streets		
Practical activities within the subject	Not applicable		

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