GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Engineering project, PG_00044668						
Field of study	Transport						
Date of commencement of studies	October 2020		Academic year of realisation of subject	2023/2024			
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						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Jacek Oskarbski				
	Teachers						
Lesson types and methods of instruction	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] Assessment of ability to present the results of task [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
[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] Assessment of ability to present the results of task [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
[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] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work
[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] Assessment of knowledge contained in written work and projects [SW1] Assessment of factual knowledge
[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] Assessment of ability to present the results of task [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

Student organizes the measurement and design works. Performs the necessary technical calculations, analysis and comparisons. Develops the written engineering work.

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	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed

Conceptual design of shared-space application in selected areas of the cityConceptual project to improve safety of pedestrian and cycling traffic in the school environmentConceptual design of dedicated bus lanes in a street sectionConceptual design of traffic control in the streets

Work placement

Not applicable