



Subject card

Subject name and code	Team Project (TS), PG_00044640						
Field of study	Transport						
Date of commencement of studies	October 2022	Academic year of realisation of subject				2024/2025	
Education level	first-cycle studies	Subject group				Optional 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		mgr inż. Tomasz Mackun				
	Teachers		mgr inż. Tomasz Mackun dr hab. inż. Kazimierz Jamroz				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	30.0	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		10.0		35.0	75
Subject objectives	The aim of the subject are: 1) Learn how to work in a team, working with the leader and the division of responsibilities for specific scope of the project. 2) Learning a practical solution to an engineering problem, including the stages: literature recognition, case study analysis, analysis of the existing and planned condition, developing a concept for solving the problem, formulation of conclusions.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[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		The student is able to search for methods solutions posed problem. He sees a need analysis of elements relevant to project and necessity self-expansion your knowledge and skills.			[SK5] Assessment of ability to solve problems that arise in practice	
	[K6_U03] able to document a self-elaborated transport problem and present it in Polish and a foreign language, draft and read construction drawings		The student is able to work in a group and organize your own work. Is able to present work progress and the results obtained. He can formulate conclusions from analyzes performed and recommendations for further work.			[SU5] Assessment of ability to present the results of task	
	[K6_U01] able to use technical documentation and literature, databases and other sources of transport related information; able to interpret information, make logical links and formulate opinions and conclusions based on the above		The student is able to review literature in thematic scope related to the project. Conquered translates knowledge into use of methods and tools in project.			[SU2] Assessment of ability to analyse information	

Subject contents	Design classes involve developing a solution to a complex engineering problem by implementing the following stages: literature recognition, case study analysis, analysis of the existing and planned condition, developing a concept for solving the problem, formulation of conclusions.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
Recommended reading	Basic literature	none - depends on the subject of the project	
	Supplementary literature	none - depends on the subject of the project	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Synthesis and assessment of existing knowledge and methods to solve the problem Analysis of the existing and planned condition Problem solution concept and conclusions		
Work placement	Not applicable		

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