



## Subject card

Subject name and code	Team Project (TS) II, PG_00044643						
Field of study	Transport						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2022/2023		
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	6	ECTS credits			2.0		
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. Krystian Birr				
	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	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		5.0		25.0	60
Subject objectives	The Team Project subject for the Transport major is an academic course designed to prepare students for working in project teams focused on transport-related issues.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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 his own work. Can present the progress of work and the results obtained. He is able to formulate conclusions from the conducted analyzes 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 the literature in the thematic scope related to the project. He translates the acquired knowledge into the use of methods and tools in the project.			[SU2] Assessment of ability to analyse information		
	[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 of solving the given problem. He sees the need to analyze the elements relevant to the project and the need to expand his knowledge and skills on his own.			[SK5] Assessment of ability to solve problems that arise in practice		

Subject contents	<p>As part of this subject, students will develop and implement a project in a group. Working on the project requires students to combine knowledge and skills from various fields, such as transport engineering, economics, law, marketing, and project management.</p> <p>Students will work on the project throughout the semester, from defining the problem and project goals to its implementation and evaluation. They will demonstrate skills in planning, organizing, negotiating, communicating, and teamwork.</p> <p>Team project topics may relate to various aspects of transport, such as:</p> <ul style="list-style-type: none"> <li>• Analysis and optimization of transport networks</li> <li>• Designing transport systems</li> <li>• Transport project management</li> <li>• Analysis of the impact of transport on the environment</li> <li>• Studying user behavior in transport</li> <li>• Designing solutions for urban transport</li> <li>• Designing new transport technologies</li> </ul> <p>The team project not only provides an opportunity to gain practical skills related to teamwork and project design but also allows students to develop their soft skills such as communication, negotiation, and problem-solving.</p>								
Prerequisites and co-requisites									
Assessment methods and criteria	<table border="1" data-bbox="450 766 794 860"> <thead> <tr> <th data-bbox="450 766 794 801">Subject passing criteria</th> <th data-bbox="794 766 1139 801">Passing threshold</th> <th data-bbox="1139 766 1489 801">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="450 801 794 860">evaluation of the presentation and final report</td> <td data-bbox="794 801 1139 860">100.0%</td> <td data-bbox="1139 801 1489 860">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	evaluation of the presentation and final report	100.0%	100.0%		
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Recommended reading	<table border="1" data-bbox="450 869 794 972"> <tbody> <tr> <td data-bbox="450 869 794 904">Basic literature</td> <td data-bbox="794 869 1489 904">depends on the topic of the project</td> </tr> <tr> <td data-bbox="450 904 794 940">Supplementary literature</td> <td data-bbox="794 904 1489 940">depends on the topic of the project</td> </tr> <tr> <td data-bbox="450 940 794 972">eResources addresses</td> <td data-bbox="794 940 1489 972">Adresy na platformie eNauczanie:</td> </tr> </tbody> </table>	Basic literature	depends on the topic of the project	Supplementary literature	depends on the topic of the project	eResources addresses	Adresy na platformie eNauczanie:		
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Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>• A conceptual project to improve the access of people with special needs to the devices and services of the Integrated Transfer Node on the example of the Gdańsk Airport / railway station or a group of public transport stops.</li> <li>• Assessment of the functioning and concept of the transport system in the Oliwa district (between Wita Stwosza, Derdowskiego and Słowackiego streets - Olivia Gate)</li> <li>• Analysis of passenger service conditions at selected public transport stops in Gdańsk, together with a project of improvements.</li> <li>• Analysis of the level of transport exclusion in the field of collective transport in the Pomeranian Voivodship</li> <li>• Design of a parking policy and system for Gdańsk</li> <li>• Project of a macroscopic travel model for Gorzów Wielkopolski with a simulation analysis of the city's development</li> <li>• Program to improve road safety in a selected area (county, city or district)</li> <li>• Conceptual design to improve school transport services (in a selected city, city district)</li> <li>• Identification, classification of threats along with the assessment of changes in the level of risk for selected elements of road infrastructure in terms of road safety in Gdynia and Gdańsk.</li> <li>• A program to improve road safety on selected sections of provincial roads, with particular emphasis on pedestrian traffic.</li> </ul>								
Work placement	Not applicable								