



## Subject card

Subject name and code	Team Project, PG_00044659						
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		
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 Railway Engineering -> Faculty of Civil and Environmental Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Kamila Szwackiewicz					
	Teachers	dr hab. inż. Piotr Chrostowski dr inż. Kamila Szwackiewicz					
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 course is to interest the student in specialist issues in the field of transport infrastructure. In addition, the student learns about various aspects of teamwork: communication skills, presentation skills, etc.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[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 search for information in the field of transport infrastructure and interpret it. He can use and reads technical documentation. He searches databases on the Internet and finds books and publications					
	[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 interpret the problem. He finds a solution and evaluates its feasibility. Is able to divide work and work according to the competences of team members					
[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 present the selected problem in the available software. Can create charts and diagrams as well as simple schematic drawings.						

Subject contents	<p>1. Discussion of issues to be carried out for groups of students participating in the classes (2 meetings)</p> <p>2. Literature review of the subject in the field of transport (2 meetings) - prepared by students</p> <p>3. Identification of the current status in terms of the subject matter of the issue (2 meetings)</p> <p>4. Identification of problems in the scope of the subject matter (2 meetings)</p> <p>5. Proposed solutions to problems (3 meetings)</p> <p>6. Summary (comparison of options, costs, conclusions) (2 meetings)</p>											
Prerequisites and co-requisites	<p>Knowledge of subject matters:</p> <p>Rail transport infrastructure</p> <p>Road transport infrastructure</p>											
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="451 797 794 831">Subject passing criteria</th> <th data-bbox="794 797 1145 831">Passing threshold</th> <th data-bbox="1145 797 1477 831">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 831 794 887">Interpretation of the presented problem</td> <td data-bbox="794 831 1145 887">60.0%</td> <td data-bbox="1145 831 1477 887">60.0%</td> </tr> <tr> <td data-bbox="451 887 794 920">Presentation skills</td> <td data-bbox="794 887 1145 920">60.0%</td> <td data-bbox="1145 887 1477 920">40.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	Interpretation of the presented problem	60.0%	60.0%	Presentation skills	60.0%	40.0%
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Recommended reading	<p>Basic literature</p> <p>Supplementary literature</p> <p>eResources addresses</p>	<p>Reading list depending on the topic of the task</p> <p>Grulkowski S., Koc W., Kędra Z., Nowakowski M., Drogi Szynowe, Wyd. PG, 2013.</p> <p>Reading list depending on the topic of the task</p> <p>Adresy na platformie eNauczenie: Projekt Zespołowy Infrastruktura Transportu - Moodle ID: 33680 <a href="https://enauczenie.pg.edu.pl/moodle/course/view.php?id=33680">https://enauczenie.pg.edu.pl/moodle/course/view.php?id=33680</a></p>										
Example issues/ example questions/ tasks being completed	<p>The concept of bringing rail transport to the Gdynia West area</p> <p>Development of the Central Communication Port</p> <p>Noise protection systems</p>											
Work placement	Not applicable											