



Subject card

Subject name and code	Transport project management, PG_00044665						
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			Optional 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			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	dr inż. Roksana Licow					
	Teachers	dr inż. Roksana Licow					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	15.0	0.0	45
	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	45		5.0		25.0	75
Subject objectives	The aim of the course is to familiarize students with the methods, documents and tools used in the project management process in the transport industry, taking into account each stage of the project from the idea to the project durability/warranty period. As part of the design classes, it is planned to use the case-study method - cases that appear in the processes: design, construction, acceptance. The training classes include exercises in the field of analyzes carried out as part of a feasibility study, preparation of tender documents (SWZ) using FIDIC design and build standards.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K02] understands the need to formulate and communicate to the public information and opinions on the achievements of environmental engineering and other aspects of work of a sanitary industry engineer; is aware of the importance of and understands non-technical aspects and consequences of engineering; takes steps to communicate such information and opinions in a comprehensible manner and present different points of view	The student is able to perform analyzes in the field of transport engineering as part of the project's Feasibility Study The student understands the dependencies resulting from the individual stages of SW creation. The student is able to prepare documents such as: Project Information Card, Functional and Utility Program, Technical Specification for the Execution and Acceptance of Construction Works. The student is able to carry out a change order in accordance with FIDIC Clause 13.3 The student has knowledge of the provisions of the Public Procurement Law as part of activities carried out in the field of transport projects	[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills
	[K6_W18] has proficiency in transport infrastructure as appropriate for their specialty	The student understands engineering issues affecting the construction and acceptance processes. The student is able to develop a functional and utility program (PFU). The student understands the connections between engineering practice, Construction Law, Public Procurement Law and the FIDIC standard.	[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects
[K6_U13] able to select tools and methods, carry out assessments and simple tests of transport infrastructure and means of transport to an extent required of the specialty / learning profile	The student is able to select methods for determining risk in transport projects. The student is able to select tools for developing project schedules. The student understands all stages of the process that make up the overall transport project. Is able to select appropriate tools and methods for each stage in order to optimize the time and costs of the project.	[SU3] Assessment of ability to use knowledge gained from the subject [SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment	
Subject contents	<ol style="list-style-type: none"> 1. Feasibility Study 2. Specification of the Order Terms 3. Documents in the design, construction and acceptance processes 4. Warranty and durability of the project 5. Risk in projects 6. Project schedules 		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	60.0%	25.0%
	Exercises	60.0%	25.0%
	Test	60.0%	50.0%

Recommended reading	Basic literature	<p>1. Dz. U. 1994 Nr 89 poz. 414 Prawo budowlane</p> <p>2. Dz.U. 2023 poz. 1605 Prawo Zamówień Publicznych</p> <p>3. Jaspers Blue Book Railway Transport, Centrum Unijnych Projektów Transportowych</p> <p>4. Plant and Design-Build Contract 2nd Ed (2017 Yellow Book)</p>
	Supplementary literature	<p>1. Z. J. Boczek, Warunki kontraktowe FIDIC istotne uwarunkowania umowne w realizacji inwestycji budowlanych, Biuletyn Konsultant</p> <p>2. E Baker, B Mellors, S Chalmers, A Lavers, FIDIC contracts: law and practice, 2013</p>
	eResources addresses	<p>Adresy na platformie eNauczanie: Zarządzanie Projektami Transportowymi - Moodle ID: 10094 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=10094</p>
Example issues/ example questions/ tasks being completed	<p>Questions on the test:</p> <ol style="list-style-type: none"> 1. What is the durability period of a project implemented under EU funds? 2. Describe the process of applying for a derogation from technical and construction regulations? 3. What is a contingent amount and what document regulates its amount? <p>Sample exercise task:Determine the investment impact area and present the results of the existing supply analysis for the selected transport investment.</p> <p>Sample design task:At the design stage, it turns out that the construction works will be carried out in conflict with the infrastructure of the telecommunications company and the gas company. What should you do?</p>	
Work placement	Not applicable	