GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Transport infrastructure, PG_00064979		
Field of study	Transport and Logistics		
Date of commencement of studies	February 2027	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Obligatory subject group in the field of study Subject group related to scientific research in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	5.0
Learning profile	general academic profile	Assessment form	exam
Conducting unit	Division of Hydromechanics and Ship Design -> Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Ievgen Medvediev	
	Teachers	dr inż. Ievgen Medvediev	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	30.0	0.0	60

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	60	9.0	56.0	125

Subject objectives

is to present the concepts and definitions of transport infrastructure, current state and development prospects, area of interest, and to acquire skills in analyzing and solving infrastructure problems.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U01] utilizes acquired methods, tools and mathematical models for analysis and evaluation of transport systems and processes	-	[SU1] Assessment of task fulfilment
[K7_U04] creatively designs or modifies, either entirely or at least in part, a transport system or process according to a given specification, considering both technical and non-technical aspects, estimating costs and utilizing design techniques appropriate for tasks within the scope of Transport and Logistics	-	[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information
[K7_W04] demonstrates knowledge encompassing selected issues in the field of advanced detailed knowledge, particularly in the scope of methods, techniques and tools specific to Transport and Logistics	-	[SW2] Assessment of knowledge contained in presentation
[K7_W01] explains and describes, based on general knowledge in the field of scientific disciplines forming the theoretical foundations of Transport and Logistics, the construction and principles of operation of transport systems, processes and their components, as well as methods and means of their integration	-	[SW2] Assessment of knowledge contained in presentation

<table>
<tr><td>Subject contents</td><td>Course content – lecture
1. Transport infrastructure: definition

2. Road transport infrastructure

3. Rail transport infrastructure

4. Water transport infrastructure

5. Air transport infrastructure

6. Trans-European transport networks

7. Transport corridors

8. Customs infrastructure

9. Summary</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>-</td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
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<tr><td>Recommended reading</td><td>
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<tr><td>Basic literature</td><td>-</td></tr>
<tr><td>Supplementary literature</td><td>-</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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