GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Transport infrastructure, PG_00057115		
Field of study	Transport and Logistics		
Date of commencement of studies	February 2023	Academic year of realisation of subject	2022/2023
Education level	second-cycle studies	Subject group	Obligatory subject group 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	assessment
Conducting unit	Zakład Energetyki i Automatyki Morskiej -> Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Jerzy Kowalski	
	Teachers	dr hab. inż. Jerzy Kowalski mgr inż. Wojciech Olszewski	

Lesson types and methods of instruction

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

Infrastruktura Transportu, W, TiL,sem1 IIst., lato 2022/23 - Moodle ID: 29553
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29553

Infrastruktura transportu,P, Transport i logistyka, sem. 01, IIst,letni,2022/2023 (PG_00057115) - Moodle ID: 29916
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29916

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	12.0	53.0	125

Subject objectives

The main aim of the course is to acquire knowledge in the field of transport infrastructure, including onroad, rail, water (inland and sea) and air transport. Students will also learn about specialized nomenclature and the relationships between transport modes.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_U05] The student is able to make a preliminary economic analysis of transport investments, indicate detailed legal provisions and industry regulations	analyzes transport investments in technical and economic terms	[SU1] Assessment of task fulfilment
[K7_W07] The student has an extensive knowledge of logistics, traffic engineering and transport management	defines the basic issues in the field of logistics, traffic engineering and transport management	[SW1] Assessment of factual knowledge

Subject contents

The essence of transport infrastructure,Infrastructure and economic development,Environmental impact of transport,The condition of transport infrastructure in Poland and Europe,Loading infrastructure (installations) of tankers,Oil, gas and bulk cargo handling infrastructure,Container terminals,Contemporary trends in the development of transport infrastructure,Intermodal transport,

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Pass a lecture	50.0%	50.0%
Pass a exercise	50.0%	50.0%

Recommended reading	Basic literature	Infrastruktura transportu - Krystyna Wojewódzka-Król, Ryszard Rolbiecki. Wydawnictwo UG, 2008.Infrastruktura transportu: współczesne wyzwania rozwojowe - Andrzej S. Grzelakowski, Maciej Matczak. Wydawnictwo IMP PAN, 2015.Infrastruktura transportu - Tadeusz Basiewicz, Andrzej Gołaszewski, Leszek Rudziński. Oficyna Wydawnicza PW 2007.
	Supplementary literature	Infrastruktura transportu a konkurencyjność regionów w Unii Europejskiej - Barbary Pawłowskiej. Wydawnictwo UG, 2015.
	eResources addresses	
Example issues/ example questions/ tasks being completed	Present the economic role of transport infrastructure.	
Work placement	Not applicable	