

Subject card

Subject name and code	Means of Transport, PG_00060630								
Field of study	Transport and Logistics								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2023/2024			
Education level	first-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			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Institute of Naval Architecture -> Faculty of Mechanical Engineering and Ship Technology								
Name and surname	Subject supervisor dr inż. Daniel Piątek								
of lecturer (lecturers)	Teachers	dr inż. Daniel	Piątek						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	30.0	0.0	0.0			0.0	30	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation in classes include plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	30		2.0		18.0		50	
Subject objectives	Get acquainted with: - structure and principle of operation; - technical parameters and environmental impact; - functioning in the transport system; means of transport: - marine; - inland; - railway; - road; - aviation;								
Learning outcomes		Course outcome		Subject outcome			Method of verification		
	[K6_U05] can formulate a simple engineering task and its specification in the field of design, maintenance and operation of transport means and systems		The student is able to determine the parameters of the means of transport for the assumed transport needs			[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools			
	[K6_U06] can use appropriate methods and tools in accordance with the formulated specification; can perform a simple engineering task in the field of design, manufacture and operation of transport means and systems		The student is able to estimate the technical, economic parameters and environmental impact of the means of transport performing a transport task			[SU2] Assessment of ability to analyse information			
	[K6_W05] has established knowledge in the field of design, construction and operation of transport means and systems		The student is able to determine the tasks of the means of transport in a given transport system			[SW1] Assessment of factual knowledge			

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hull construction;propulsion system and power plant;hull and deck equipment, reloading technologies;													
Than and dear equipment, relocating technologies,													
INLAND SAILING: - inland navigation in Poland; - classes of waters and inland units; - construction and layout of means of transport: motor barge, pushed set: pusher + pushed barge; - drive system and equipment;													
							RAILWAY TRANSPORT:						
							- layout of railway lines in Poland; - rules of railway traffic management;						
ROAD TRANSPORT:													
- road network system in Poland; - hazards in road transport;													
- construction of a truck: tractor unit and semi-trailer - development trends;													
AIR TRANSPORT:													
f the final grade													
Więckiewicz, W.: Podstawowe informacje o statkach morskich. Podręcznik dla szkół budownictwa okrętowego. Oficyna Wydawnicza, Gdańsk, 2021. ISBN: 978-83-60584-90-3;													
Żylicz, A.: Statki śródlądowe. Wydawnictwo Morskie, Gdańsk, 1979.													
ISBN: 832152852X; Terczyński, P.: Katalog lokomotyw elektrycznych. Kolpress, Warszawa,													
					2017. ISBN: 978-83-943075-3-0;								
					Prochowski, L., Żuchowski, A.: Samochody ciężarowe i autobusy.								
Procnowski, L., Zucnowski, A.: Samocnody cięzarowe i autobusy. WKiŁ, Warszawa, 2016. ISBN: 978-83-206-2047-4;													
ptery cywilne.													

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	Supplementary literature	Grzybowski, L., Łączyński, B., Narodzonek, A., Puchalski, J.: Kontenery w transporcie morskim. Trademar, Gdynia, 1997. ISBN: 83-905412-2-X;
		Pałucha, K., Puchalski, J., Śliwiński, A.: Statki poziomego ładownia. Trademar, Gdynia, 2004. ISBN: 83-900731-1-8
		Puchalski, J., Soliwoda, J.: Eksploatacja masowców. Trademar, Gdynia, 2008. ISBN: 978-83-924540-5-2;
		Wiewióra, A., Wesołek, Z., Puchalski, J.: Ropa w transporcie morskim. Trademar, Gdynia, 2007. ISBN: 978-83-924540-2-1;
		Terczyński, P.: Katalog wagonów towarowych. Kolpress, Warszawa, 2011. ISBN: 978-83-933257-1-9;
	eResources addresses	Podstawowe
		https://www.pkpcargo.com/media/1002903/pkp-cargo_katalog- wagonow_3008_19.pdf - PKP Cargo railway wagon catalog
		https://pdf.nauticexpo.com/pdf/mac-gregor/cargo-handling-book/ 30588-103189.html - Macgregor Cargo Handling Book
		Adresy na platformie eNauczanie:
		Środki Transportu (W), TiL (PG_00060630), sem. 1, zimowy 23/24 - Moodle ID: 32847 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=32847
Example issues/ example questions/ tasks being completed		•
Work placement	Not applicable	

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