

**Subject card**

<b>Subject name and code</b>	IT in Maritime Transport and Seaborne Trade, PG_00199701						
<b>Field of study</b>	International Economic Relations						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	2	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			exam		
<b>Conducting unit</b>	Faculty of Economics -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Tomasz Nowosielski				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	0.0	15.0	0.0	5.0	0.0	20
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	20		0.0		5.0	25
<b>Subject objectives</b>	The purpose of the course is to prepare students to participate in the transportation service of maritime trade cargoes. Wclasses are attended by representatives of business practice, enterprises: shipowner, shipping company, container terminal operator port container terminal and the company developing the concept of port community system.						
<b>Learning outcomes</b>	Course outcome		Subject outcome		Method of verification		
<b>Subject contents</b>	<p>1. basic definitions related to the operation of information systems in the transport industry. Case studies - presentations of existing IT/TSL industry applications and programs on the market.2. CRM systems used in companies operating in the maritime transport services market. CRM systems - characteristics, features, areas that must be included in the system used by Port Authorities, shipowners, shipping companies, etc.3. Types and classes of information systems typical for the transport industry including systems of the customs service in PL.4. technologies and systems used in maritime transport - AIS, VTS. GTIN standards, RFID, GPS.5. PCS - Port Community System. Characteristics of the system, examples of use, prospects for implementation in Polish ports.6. practical exercises with the use of freight calculators and information, contained on the official websites of shipowners and shipping companies - presentation of freight calculators for LCL and FCL shipments, searching and comparing departure dates and transport times offered by shipowners.7. software, used for planning the arrangement of containers on ships, such as Container Stowage Planning Software, Ro-Ro Stowage planning, SPS for RoRo Cargo, SPS for General Cargo - systems characteristics.</p>						

Prerequisites and co-requisites	Basic knowledge of how the Internet works		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Activity in class, participation in additional activation tasks assigned by the Instructor. The grade depends on the level of student activity.	60.0%	100.0%
Recommended reading	Basic literature	1. Kisielnicki J., Systemy informatyczne zarządzania, Agencja wydawnicza Placet, Warszawa, 2014 2. Adamczewski P., Informatyczne wspomaganie łańcucha logistycznego, Wydawnictwo Akademii Ekonomicznej w Poznaniu, Poznań 2001. 3. Majewski J., Informatyka dla Logistyki, Biblioteka logistyka, Poznań, 2006. Literatura uzupełniająca: 1. Rutkowski (red.), Logistyka on-line, PWE, Warszawa 2003. 2. Skowronek Cz., Sarjusz-Wolski Z., Logistyka w przedsiębiorstwie, PWE, Warszawa 1999.	
	Supplementary literature	1. Dębicka O., Kreft K., Wach D., Internet technologies in transport management, Prace Naukowe Politechniki Warszawskiej, Warszawa, 2007	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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