

Subject card

Subject name and code	IT in Maritime Transport and Seaborne Trade, PG_00199701						
Field of study	International Economic Relations						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	Master's studies	Subject group			Obligatory subject group in the field of study Optional subject group 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	2	ECTS credits			1.0		
Learning profile	academic	Assessment form			exam		
Conducting unit	Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Tomasz Nowosielski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	5.0	0.0	20
	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	20		0.0		5.0	25
Subject objectives	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.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
Subject contents	<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		

Document generated electronically. Does not require a seal or signature.