

Subject card

Subject name and code	IT in Maritime Transport and Seaborne Trade, PG_00170224						
Field of study	International Economic Relations						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Master's 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 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		dr Tomasz Nowosielski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	15.0	0.0	0.0	0.0	15
	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	15		10.0		0.0	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
	[MSGMU2_U10] can accurately select and use sources of information on international economic relations, evaluate, critically analyse and creatively interpret them, and can present them in an innovative way, using advanced information and communication techniques	The student is ready to think and act in an entrepreneurial manner, adapts to new situations and conditions, takes on the challenges of creative thinking, acquires resilience to failure, evaluates risks and threats and finds ways to counteract their effects. The student takes advantage of the opportunity to consult on issues related to the subject.	[SU8] observation of student's independent or team work
	[MSGMU2_W02] knows an advanced terminology in the field of international economics, international economic relations and complementary disciplines	The student is ready to recognize the importance of knowledge of economics in the process of identification and solution of problems in the area of international economic relations economic relations and to consult experts in case of difficulties in solving them solving them independently	[SW4] test/exam - oral or written
	[MSGMU2_K01] is ready to recognise the importance of knowledge of economics in the process of identifying and solving problems in the area of international economic relations and to consult experts in case of difficulties in solving them independently	The student is ready to observe and develop the principles of professional ethics and social corporate responsibility, takes into account the changing needs of society, respects the diversity of views and cultures, is professional and loyal to the employer. The student takes advantage of the opportunity to consult on issues related to the subject.	[SK8] observation of student's independent or team work
	[MSGMU2_U01] can creatively interpret and explain complex and atypical economic phenomena and the relations occurring between them, using the acquired knowledge in economics, finance and international economic relations	The student is ready to initiate actions for the public interest, inspire and organize projects for the benefit of the environment and the business environment international, in accordance with the idea of sustainable development and the resulting legal, economic, ecological, political and social requirements. The student takes advantage of the opportunity to consult on issues related to the subject.	[SU8] observation of student's independent or team work
Subject contents	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.		
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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