University of Gdańsk

Subject card

Subject name and code	Seaports and Shipping in Supply Chains, PG_00200454						
Field of study	Logistics and Mobility						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2027/2028			
Education level	Master's 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	2		Language of instruction	English			
Semester of study	4		ECTS credits	3.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Division of Maritime Economy -> Department of Maritime Transport and Seaborne Trade -> Faculty of Economics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Ernest Czermański, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	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		0.0		60.0	75
Subject objectives	Maritime transport accounts for 90% of the weight of cargo transported annually worldwide. Seaports are key hubs in this transport with transshipment, warehousing & storage, and also industrial functions. Top seaports are global logistics centers where value-added services are carried out on cargo. The course will provide the student with an in-depth knowledge of the current state of maritime logistics, which consists of both the maritime section performed by sea vessels and the seaport in its broadest sense, within which the terminals and companies operating there provide the services.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[LMMU2_W07] has a knowledge of economic and financial principles governing the functioning and management of economic entities and organisations, which require logistics support or provide logistics services, as well as of systems of legal, organisational, professional, moral and ethical norms and rules organising public structures and institutions, both in the national and international spheres	Student has an in-depth knowledge of economic and financial principles governing the functioning and management of maritime business, as well as of systems of legal, organizational, professional, moral and ethical norms and rules organizing public structures and institutions, both in the national and international spheres, all in the maritime transport sector	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
[LMMU2_W02] has a knowledge of various types of economic entities and organisations, which require logistics support or provide logistics services as well as an extended knowledge of public institutions	Student has an in-depth knowledge of various types of existing economic entities and organizations acting on the maritime transport market, as well as an extended knowledge of public institutions regulating maritime sector	[SW2] presentation/project/paper/ report [SW3] text preparation/written work
[LMMU2_K06] is ready to observe and develop in his/her professional life principles of business ethics and corporate social responsibility, respect others, be loyal to their employer, taking into account changing social needs.	Student is ready to observe and develop in his/her professional life principles of business ethics and corporate social responsibility, respect others, be loyal to their employer, taking into account changing social needs with special regard to the specific conditions ruling in the maritime transport sector	[SK1] oral statement/conversation/ discussion [SK8] observation of student's independent or team work

Subject contents

1. Wprowadzenie do gospodarki morskiej

2. Handel i transport morski

3. Działalność portów morskich

4. Rynki żeglugowe

5. Żegluga kontenerowa

6. Sektor offshore

The course consists of both scheduled classes and independent student work outside class. During their independent work, students complete projects under the guidance of, and in regular consultation with, the course instructor.

Prerequisites and co-requisites

Positively assessed following lectures & classes: macroeconomics, International economics, Supply Chain Management and Transport in Logistics.

Basics of transport services and operations, international trade relations, economic interdependencies analysis.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Project execution and presentation	51.0%	100.0%

Recommended reading	Basic literature	1. E. Czermański, G.T. Cirella, Energy transition in maritime transport: solutions and costs, [in:] Human Settlements: urbanization, smart sector development, and future outlook, ed. by G.T. Cirella, Advances in 21st Century Human Settlements, Springer, Singapore 2022. 2. E. Czermański, A. Oniszczuk-Jastrząbek, J. Zaucha et al., Preconditions of new container terminal location in the Maritime Spatial Planning framework. A case study for the Central Port Concept in Gdańsk, Marine Policy, 2021, vol. 130, no. 104585. 3. E-book on combined transport in the Baltic Sea Region, ed. by E. Czermański, Univeristy of Gdańsk Press, Gdańsk 2021. 4. J. Jankiewicz, E. Czermański, G.T. Cirella, Innovative last mile solutions to strengthen combined transport, report from the COMBINE project, Gdansk 2020. 5. E. Czermański, B. Pawłowska, A. Oniszczuk-Jastrząbek, G.T. Cirella, Decarbonization of maritime transport: analysis of external costs, Frontiers in Energy Research, 2020, vol. 8, no. 28. 6. E. Czermański, Polish maritime economy - current condition and future development perspectives, [in:] Smart, sustainable and inclusive growth, ed. by Ch. True, E. Gostomski and B. Jeiiński, University of Gdańsk Press, Gdańsk 2018. 7. A. Oniszczuk-Jastrząbek, B. Pawłowska, E. Czermański, Polish sea ports and the Green Port concept, SHS Web of Conferences, 2018, vol. 57, no. 01023. 8. Port economics, ed. by K. Cullinane, W. K. Talley. Elsveier, Amsterdam 2006. 9. A. E. Branch, Branchs Elements of shipping, Routledge, London - New York 2014. 10. The World of Shippinh, ed. by D. M. Williams, Routledge, London - New York 2020. 11. I. Theotokas, Management of Shipping Companies, Routledge, London - New York 2018. 12. M. G. Burns, Port Management and Operations, Routledge, London - New York 2015.
	Supplementary literature	1. Review of Maritime Transport, UNCTAD, Geneva 2021. 2. Shipping Statistics Yearbook, ISL, Bremen 2021.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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