



## Subject card

Subject name and code	Fundamentals of Ergonomics and Occupational Safety and Health, PG_00045268						
Field of study	Transport and Logistics, Transport and Logistics						
Date of commencement of studies	October 2020	Academic year of realisation of subject				2023/2024	
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery				at the university	
Year of study	4	Language of instruction				Polish	
Semester of study	7	ECTS credits				2.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Institute of Ocean Engineering and Ship Technology -> Faculty of Mechanical Engineering and Ship Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Jacek Nakielski				
	Teachers		dr inż. Jacek Nakielski				
Lesson types and methods of instruction	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		3.5		26.5	45
Subject objectives	Man-machine-environment. Work characteristics. Tiredness. Requirements for working with a computer. Safe operation of machines. Risk assessment.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[K6_U07] applies knowledge on humanities, social and economical science in solving problems		-			[SU2] Assessment of ability to analyse information	
	[K6_W07] has a general knowledge on humanities, social and economical sciences. Knows the rules of creating the forms of personal entrepreneurship and economic activity, has knowledge on the protection of intellectual property rights and industrial property rights and copyrights		-			[SW2] Assessment of knowledge contained in presentation	
[K6_K02] can work in a team, assuming various roles, can act in a rational and ethical way		-			[SK5] Assessment of ability to solve problems that arise in practice		
Subject contents	1. Ergonomic system: man-machine-environment. 2. Characteristics of work and its physiology, human workload. 3. Spatial and material parameters of the work environment, parameters characterizing the human figure. 4. Human information, regulation, control and sensory system. 5. Fatigue. 6. Ergonomic requirements for working with a computer. 7. Safety in operating machines. 8. Safe work on board merchant ships. 9. Methods of assessing occupational risk at workplaces. 10. Occupational health and safety management system. 11. Employers' obligations to ensure safe working conditions. 12. CE marking.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
			50.0%			100.0%	
Recommended reading	Basic literature		brak				
	Supplementary literature		brak				
	eResources addresses						
Example issues/example questions/tasks being completed							
Work placement	Not applicable						