



Subject card

Subject name and code	Fundamentals of Ergonomics and Occupational Safety and Health, PG_00046522						
Field of study	Ocean Engineering, Ocean Engineering						
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	Part-time studies		Mode of delivery		at the university		
Year of study	4		Language of instruction		Polish		
Semester of study	8		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	10.0	0.0	0.0	0.0	0.0	10
	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	10		4.0		31.0	45
Subject objectives	Man-machine-environment. Characteristics of work. Tiredness. Requirements for working with a computer.Safe operation of machines. Risk assessment						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U04] has self-education skills in order to improve professional qualifications, is ready to work in industrial environment, adheres to HSE rules and regulations				[SU5] Assessment of ability to present the results of task		
	[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				[SW1] Assessment of factual knowledge		
	[K6_U07] applies knowledge on humanities, social and economical science in solving problems				[SU5] Assessment of ability to present the results of task		
	[K6_K02] can work in a team, assuming various roles, can act in a rational and ethical way				[SK1] Assessment of group work skills		
Subject contents	Ergonomic system: human-machine-environment.Characteristics of work and its physiology, human workload.Spatial and material parameters of the working environment,Parameters characterizing the human figure.Man's workload.Human information, regulation, control and sensory system.Tiredness.Ergonomic requirements for working with a computer.Safety in the operation of machines.Methods of occupational risk assessment at workplaces.Occupational risk assessment for electrical and mechanical factors.Occupational health and safety management system.Employers' obligations to ensure safe working conditions.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	-
	Supplementary literature	-
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	-	
Work placement	Not applicable	