

Subject card

Prefed of study	Subject name and code	Occupational Health and Safety Ergonomics, PG_00041987								
Date of commencement of studies Education level first-cycle studies Subject group Obligatory subject group in the field of study Subject group related to scientific research in the field of study Year of study Year of study Year of study 1 Language of instruction Egilish Semester of study 1 ECTS credits 1.0 Learning profile Conducting unit Department of Machine Design And Vehicles >> Faculty of Mechanical Engineering And Ship Technology Name and surname of lecturer (lecturers) Lesson types and methods of instruction Elearning hours included: 0.0 Learning activity and number of study hours Learning activity and number of study hours Elearning hours included: 0.0 Learning outcomes Elearning basic knowledge of ergonomics andoccupational health and safety. Course outcome [K6_UI3] has the preparation excess in the subject outcome [K6_UI3] has the preparation excess path of the regulation only system of a simple energy facility and reprosphility to the man-machine environment, applies the mergency situations, threats to health and list when using energy facility of the regulation in configuration. Self-resulty of the subject outcome [K6_UI3] has the preparation excess path of the regulation only system of a simple energy facility of the regulation system of a simple energy facility of the regulation in consultation for the regulation of responsibility for their own work and responsibility f	,	· · · · · · · · · · · · · · · · · · ·								
Mode of study	Date of commencement of	0 0					2025/2026			
Mode of study	Education level	first-cycle studies		•			field of study			
Year of study										
Semester of study	Mode of study	Full-time studies		Mode of delivery			at the	at the university		
Learning profile	Year of study	1		Language of instruction			English			
Conducting unit Department Of Machine Design And Vehicles -> Faculty Of Mechanical Engineering And Ship Technology -> Wydziały Politechniki Gdańskiej Subject supervisor Teachers Lesson types and methods of instruction Learning activity and number of study hours E-learning included: 0.0 Learning activity and number of study hours Subject objectives Caining basic knowledge of ergonomics andoccupational health and safety. Learning outcomes Course outcome [KG_U03] has the preparation necessary to work in an industrial environment, applies the principles of occupational health and safety, can perform diagnostics of the regulation system of a simple energy facility [KG_K03] is able to react in engineering activities on the environment. [KG_K02] is able to work in a group taking different roles in it, can think and act in an enterpreneural way, is aware of responsibility for their own work and responsibility for tenamork Subject contents Definitions of ergonomics, their purposes and application area. Description of man - machine - environment configuration. Information acquisition of machines. Perequisites Knowledge of Physics (High School level).	Semester of study	1					1.0			
Name and surname of lecturer (lecturers) Subject supervisor Iterachers Subject supervisor Iterachers Iteracher	Learning profile	general academic profile		Assessment form			assessment			
Teachers Teachers Teachers Lesson types and methods of instruction Lesson type Lecture Tutorial Laboratory Project Seminar SUM Number of study 15.0 0.0 0.0 0.0 0.0 0.0 15	Conducting unit						Technology -			
Lesson types and methods of instruction		Subject supervisor		dr inż. Ryszard Woźniak						
Number of study hours Self-study and number of study hours	of lecturer (lecturers)	Teachers	Teachers					_		
Learning activity and number of study hours Learning activity Learning activity Participation in ididactic classes included in study plan Self-study SUM Consultation hours Self-study SUM Number of study Number of study 15 3.0 7.0 25 Subject objectives Gaining basic knowledge of ergonomics andoccupational health and safety.					1		t		+	
Learning activity and number of study hours Learning activity Participation in didactic classes included in study plan Participation in consultation hours Self-study SUM		,	15.0	0.0	0.0	0.0		0.0	15	
Classes included in study plan		E-learning hours included: 0.0								
Course outcome Subject outcome Method of verification		classes includ					Self-study SUM		SUM	
Course outcome Subject outcome Method of verification			15		3.0		7.0		25	
K6_U03 has the preparation necessary to work in an industrial environment, applies the principles of occupational health and safety, can perform diagnostics of the regulation system of a simple energy facility [K6_K03] is able to react in emergency situations, threats to health and life when using energy devices, is aware of the impact of engineering activities on the environment [K6_K02] is able to work in a group taking different roles in it, can think and act in an entrepreneurial way, is aware of responsibility for their own work and responsibility for their own work and responsibility for teamwork Definitions of ergonomics, their purposes and application area. Description of man - machine - environment origination. Conception of balanced development. Environmental management system. Subject contents Subject contents Definitions of ergonomics, their purposes and application area. Description of man - machine - environment configuration. Lonception of balanced development. Environmental management system. Model of man and it's characteristics. Man capabilities versus industrial processes. Environment of working man - circle conditions. Designs principles of environment of working man. Safety and reliable man - machine - environment configuration. Information acquisition of machines.	Subject objectives									
necessary to work in an industrial environment, applies the principles of occupational health and safety, can perform diagnostics of the regulation system of a simple energy facility (K6_K03) is able to react in emergency situations, threats to health and life when using energy devices, is aware of the impact of engineering activities on the environment	Learning outcomes	Course out	come	Subject outcome			Method of verification			
emergency situations, threats to health and life when using energy devices, is aware of the impact of engineering activities on the environment K6_K02 is able to work in a group taking different roles in it, can think and act in an entrepreneurial way, is aware of responsibility for their own work and responsibility for teamwork Definitions of ergonomics, their purposes and application area. Description of man - machine environment system.		necessary to work in an industrial environment, applies the principles of occupational health and safety, can perform diagnostics of the regulation								
group taking different roles in it, can think and act in an entrepreneurial way, is aware of responsibility for their own work and responsibility for teamwork Subject contents Definitions of ergonomics, their purposes and application area. Description of man - machine - environment configuration. Conception of balanced development. Environmental management system. Model of man and it's characteristics. Man capabilities versus industrial processes. Environment of working man - circle conditions. Designs principles of environment of working man. Safety and reliable man - machine - environment configuration. Information acquisition of machines. Prerequisites Knowledge of Physics (High School level).		emergency situations, threats to health and life when using energy devices, is aware of the impact of engineering activities on the		work environment taking into			solve problems that arise in			
configuration. Conception of balanced development. Environmental management system. Model of man and it"s characteristics. Man capabilities versus industrial processes. Environment of working man - circle conditions. Designs principles of environment of working man. Safety and reliable man - machine - environment configuration. Information acquisition of machines. Prerequisites Knowledge of Physics (High School level).		group taking different roles in it, can think and act in an entrepreneurial way, is aware of responsibility for their own work		and reliability of the man-machine			solve problems that arise in			
1 To o quiones	Subject contents	conditions. Designs principles of environment of working man. Safety and reliable man - machine - environment configuration. Information acquisition of machines.								
and do requieted	Prerequisites and co-requisites	Knowledge of Physics (High School level).								
Assessment methods Subject passing criteria Passing threshold Percentage of the final grade	Assessment methods	Subject passing criteria		Pass	Passing threshold			Percentage of the final grade		
and criteria End test 50.0% 100.0%	and criteria	End test		50.0%						

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Recommended reading	Basic literature	1. Koradecka D.: "Bezpieczeństwo pracy i ergonomia", tom I i II. CIOP, Warszawa, 1997. 2. Hempel L.: "Człowiek i maszyna - techniczny model współdziałania", materiały własne, 1984. 3. Wykowska M.: "Ergonomia", Wyd Akademii Górniczo-Hutniczej w Krakowie, Kraków, 1994.				
	Supplementary literature	No requirements				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	1) definitins of ergonomics					
	2) human models					
Work placement	Not applicable					

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