



Subject card

Subject name and code	ENTERPRISE RISK AND SAFETY MANAGEMENT, PG_00061599						
Field of study	Management, Management						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2025/2026		
Education level	second-cycle studies		Subject group		Specialty subject group 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	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		3.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Piotr Grudowski				
	Teachers		dr hab. inż. Piotr Grudowski				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	30.0	0.0	0.0	0.0	45
	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	45		5.0		25.0	75
Subject objectives	Creates innovative solutions to complex security problems using appropriate assessment and design methods						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W04] analyzes complex management problems in an in-depth way on the basis of reliable data and properly selected methods, obtaining logical solutions		correctly identifies security threats in the processes carried out in the organization, assessing the associated risk		[SW1] Assessment of factual knowledge		
	[K7_U01] creates innovative solutions to complex and unstructured problems, taking into account the variability of the environment by synthesising information from many sources		creates innovative solutions to security problems using information from various areas of the organization's operation		[SU2] Assessment of ability to analyse information		
Subject contents	Organizational and economic aspects of security management in an enterprise. Quality management and safety management in a modern enterprise. Responsibilities of the employer in terms of safety management Regulations on security management in the enterprise. Threat identification techniques. Functional and process safety Work safety management. Identification of occupational hazards Accidents in the work process and their analysis. Quantitative threat assessment techniques. Threat analysis using FTA techniques. Methods of occupational risk assessment. Principles of documenting the results of occupational risk assessment. Technical, organizational and cultural risk reduction measures Legal basis of the OHS management system. The concept and elements of the security system. Occupational health and safety process management. Preparation of system procedures. Cost estimate for the implementation of the OHS management system. Certification of the health and safety management system Safety in the operation of machines and devices. Organization of maintenance services. Training and motivating employees to behave safely Security and protection of the company's material resources. Physical protection. Electronic devices and monitoring systems in the enterprise Information security management. Enterprise IT policy and security management. Video monitoring systems and monitoring of user activity in computer networks Economic aspects of the selection of technical and organizational security measures ensuring business continuity						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Exam	60.0%	50.0%
	Practical exercises	60.0%	50.0%
Recommended reading	Basic literature	Podgórski D., Pawłowska Z.: Podstawy systemowego zarządzania bezpieczeństwem i higieną pracy CIOP Warszawa 2004 Wołowski F., Zawila-Niedźwiecki J.: Bezpieczeństwo systemów informatycznych. Wyd. Edu-Libri 2013	
	Supplementary literature	.	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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