Subject card

Subject name and code	Risk and Security Management in the Enterprise, PG_00067692
Field of study	Management, Management

Date of commencement of studies	February 2026	Academic year of realisation of subject	2026/2027
Education level	second-cycle studies	Subject group	Optional 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	
	Teachers	

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] has an in-depth understanding of analytical methods, reliable data sources, and copyright principles in the context of solving contemporary management problems.	has in-depth knowledge of risk and security analysis methods in enterprises	[SW1] Assessment of factual knowledge
	[K7_U01] creates innovative solutions for complex and unstructured processes, considering unpredictable environmental conditions through the synthesis of information from various sources.	can design non-standard solutions in risk and security management by synthesizing information from various sources and adapting them to dynamic environmental conditions	[SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools

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
	Practical exercises	60.0%	50.0%
	Exam	60.0%	50.0%
Recommended reading	Basic literature	Podgórski D., Pawłowska Z.: Podstawy systemowego zarządzania bezpieczeństwem i higieną pracy CIOP Warszawa 2004 Wołowski F., Zawiła-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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