



Subject card

Subject name and code	Systemic Quality Management, PG_00068513						
Field of study	Engineering Management						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2027/2028		
Education level	first-cycle studies		Subject group		Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Part-time studies (on-line)		Mode of delivery		at the university		
Year of study	3		Language of instruction		Polish		
Semester of study	6		ECTS credits		4.0		
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	8.0	0.0	0.0	16.0	0.0	24
	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	24		5.0		71.0	100
Subject objectives	Identifies and uses the requirements of system quality management standards in decision-making processes						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_U01] is able to analyze and evaluate complex processes in terms of their improvement, using various methods, including analytical and simulation techniques.		is able to independently select and update knowledge needed to solve issues related to quality management systems, while effectively planning their own work and professional development		[SU5] Assessment of ability to present the results of task		
	[K6_K03] is prepared to critically assess the knowledge they possess, which is necessary for solving cognitive and practical problems, and to supplement any gaps with opinions from external experts.		is able to assess the adequacy of applied solutions in quality management systems and, when necessary, consult expert knowledge or specialized sources to improve the effectiveness of actions taken		[SK5] Assessment of ability to solve problems that arise in practice		
	[K6_W01] understands and comprehends the conditions of processes occurring in the analyzed systems at an advanced level and selects appropriate methods for their solution, taking into account the complex relationships between the analyzed phenomena.		understands how interconnected elements of quality management systems operate and knows methods for identifying and analyzing issues within their structure and functioning		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Normative Management Systems of the ISO series The context of the organization in ISO Management Systems Leadership its role in ISO Management Systems Requirements for planning in ISO Management Systems Supporting the organization's resources in the context of ISO 9001 Setting requirements for products and services in the organization Planning and designing development in the context of ISO 9001 Audit is a process improvement tool in the context of ISO management systems Improving processes, products and services						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Tests during the semester	60.0%	50.0%
	Laboratory	60.0%	50.0%
Recommended reading	Basic literature	Grudowski P. Projektowanie, nadzorowanie i doskonalenie systemu jakości według normy PN-EN ISO 9001:2009 w oparciu o podejście procesowe	
	Supplementary literature	ISO 9001 - tekst normy ISO 14001 - tekst normy ISO 450001 - tekst normy ISO 27001 - tekst norm	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	Interpret the concept of organizational context and provide methods of its identification Identify the risks and opportunities associated with the customer service process What principles is ISO 9001 based on? What normative management system is responsible for information security management? Schedule an internal audit in the company in accordance with the requirements of the standard		
Work placement	Not applicable		

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