



Subject card

Subject name and code	Normative Quality Management Systems, PG_00067691						
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		assessment		
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		4.0		26.0	75
Subject objectives	Interprets the requirements of key normative quality management systems, using them to design their implementation in the organization						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W05] has in-depth knowledge of integrating economic, legal, and ethical aspects in analyses and their application in entrepreneurial activities.		knows the principles of normative quality management and uses them to analyze organizational processes and make responsible decisions, considering economic, legal, and ethical aspects		[SW1] Assessment of factual knowledge		
	[K7_K02] acts entrepreneurially, making competent and ethical decisions that consider the public interest as well as economic, social, and environmental values.		makes decisions regarding the implementation of improvements to the quality management system, taking into account the public interest and the preservation of economic, social, and environmental values		[SK5] Assessment of ability to solve problems that arise in practice		
Subject contents	Quality, its definitions, aspects and meaning. Other basic concepts TQM concept as the basis of management systems Models of excellence as the basis for self-assessment of the organization Industry quality systems, legal conditions of product quality Quality system model according to ISO 9001 structure. Requirements Process orientation in management systems Basic tools for process evaluation and improvement Control cards Qualitative capability analysis Acceptance control						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Project		60.0%		50.0%		
	Tests in the semester		60.0%		50.0%		

Recommended reading	Basic literature	Grudowski P., Przybylski W., Siemiątkowski M. (red. W. Przybylski) Inżynieria jakości w technologii maszyn, Wydawnictwo PG, 2006 Grudowski P. Projektowanie, nadzorowanie i doskonalenie systemu jakości według normy PN-EN ISO 9001:2009 w oparciu o podejście procesowe, ODDK, Gdańsk 2010 Grudowski P. Jakość, środowisko i bhp w systemach zarządzania. Bydgoszcz: Wydawnictwo OPO-AJG, 2004
	Supplementary literature	Hamrol A. Mantura W. Zarządzanie jakością. Teoria i praktyka. PWN, Warszawa 2005 Muhlemann A. P., Oakland J. S., Lockyer K. G.: Zarządzanie. Produkcja i usługi, Wydawnictwo Naukowe PWN, Warszawa 1997 Pająk E.: Zarządzanie produkcją. Produkt, technologia, organizacja, PWN, Warszawa, 2006 Problemy Jakości - miesięcznik, wydawca SIGMA-NOT
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Modeling the processes of a given organization Development of system procedures Development of process metrics	
Work placement	Not applicable	

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