



## Subject card

Subject name and code	Normative Quality Management Systems, PG_00054825						
Field of study	Management, Management						
Date of commencement of studies	October 2023		Academic year of realisation of subject		2023/2024		
Education level	second-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		blended-learning		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Katedra Inżynierii Zarządzania i Jakości -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Piotr Grudowski				
	Teachers		dr Mateusz Muchlado				
			dr hab. inż. Piotr Grudowski				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	0.0	8.0	0.0	16
	E-learning hours included: 12.0						
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	16		4.0		30.0	50
Subject objectives	Providing students with key information and developing skills specific to the design, operation and improvement of normative management systems regarding various issues important in the context of planning, operation and development of production and service organizations.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U06] has a good command of the relevant standards, methods and techniques used in the discipline of management science to solve problems related to the organization's activities		The student is able to interpret the requirements of the key prescriptive management systems and design their implementation in an organization.		[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools		
	[K7_W11] has an in-depth knowledge of the creation, operation and design of management structures and systems and their improvement in the process of achieving objectives		The student has in-depth knowledge of design and improvement of normative management systems.		[SW1] Assessment of factual knowledge		
	[K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena		Students can apply for practical purposes selected methods, tools and techniques of quality management to control and improve management systems.		[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools		
	[K7_W02] has an in-depth knowledge of classical and modern management concepts and their application in the management of modern organizations of various types		The student has an in-depth knowledge of the the most important normative management systems - their structure, requirements and guidelines.		[SW1] Assessment of factual knowledge		
Subject contents	Industry/sectoral quality systems, legal conditions of product quality. Quality system model according to ISO 9001. Structure. Requirements Process orientation in management systems. Other normative management systems developed by ISO (environment, security, business continuity, etc.).						

Prerequisites and co-requisites	Basics of organization and management.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Midterm colloquium	60.0%	50.0%
	Project	60.0%	50.0%
Recommended reading	Basic literature	Grudowski P. The perspective of quality in higher education. About the QualHE model, PWE Warszawa 2020.  Lecture notes, unpublished materials - available in electronic form on the Department's website Grudowski P., Przybylski W., Siemiątkowski M. (ed. W. Przybylski) Quality engineering in machine technology, Wydawnictwo PG, 2006 Grudowski P. Designing, supervising and improving the quality system according to the PN-EN ISO 9001:2009 standard based on the process approach, ODDK, Gdańsk 2010. Selected national (PN) and international standards (ISO, EN).  Selected national (PN) and international standards (ISO, EN).  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 (również wydania wcześniejsze 2002, 2004) 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: Normatywne Systemy Zarządzania (23/24) NSTC - Moodle ID: 36692 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36692">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36692</a>	
Example issues/ example questions/ tasks being completed	1. Process modelling of an organization  2. Development of systemic procedures  3. Development of processes metrics		
Work placement	Not applicable		