



Subject card

Subject name and code	Normative quality management systems, PG_00059508						
Field of study	Management and Production Engineering						
Date of commencement of studies	February 2024		Academic year of realisation of subject		2024/2025		
Education level	second-cycle studies		Subject group		Optional 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	Katedra Inżynierii Zarządzania i Jakości -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Piotr Grudowski				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	15.0	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	Presentation of the types, essence, practical significance and requirements of the most important normative management systems.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_W01] knows and understands to a greater extent selected issues in the field of management and quality sciences and mechanical engineering, their location in the field of social sciences and engineering and technical sciences, as well as relationships with related disciplines, and sees the possibility of applying the knowledge in practice		The student knows and understands at an in-depth level the principles, structures and requirements on which the normative management systems used in the field of mechanical engineering and other disciplines of knowledge are based and can apply them in practice.		[SW1] Assessment of factual knowledge		
	[K7_U03] can use information and communication techniques appropriate for acquiring and processing information and performing tasks typical for engineering activities		The student can use standards regarding management systems to acquire and process information, enabling engineering decisions.		[SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment		
	[K7_U06] can - when formulating and solving engineering tasks - see their systemic aspects and social conditions, environmental, economic, legal and others		The student is able to notice, within engineering tasks, factors resulting from normative models of management systems for various aspects such as product quality, natural environment, safety, business continuity, etc.		[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment		
	[K7_K05] is able to integrate the possessed knowledge from various scientific disciplines, and in the innovative implementation of engineering tasks also take into account system and non-technical aspects, including ethical ones		The student is able to integrate his/her knowledge regarding the selection and application of various normative management systems.		[SK3] Assessment of ability to organize work [SK2] Assessment of progress of work [SK5] Assessment of ability to solve problems that arise in practice		

Subject contents	<ul style="list-style-type: none">- origins of normative management systems (NMS),- most important types of NMS and phenomena related to them,- universal structure of NMS type A (Annex SL) - HLS- ISO 9000 series standards as the most important representation of NMS - development, current status, basic and auxiliary standards,- requirements of ISO 9001 - structure, interpretation, - role of documented information,- other NMS - ISO 14000, ISO 45001, ISO 27001,- industry NMS,- integration of NMS, - audit and certification of NMS, - implementation process of NMS.		
Prerequisites and co-requisites	foundations of management and quality management		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	laboratories	60.0%	40.0%
	final exam	60.0%	60.0%
Recommended reading	Basic literature	PN-EN ISO 9001 Standard (current version) Grudowski P. The perspective of quality in higher education. About the QualHE model. PWE. W-wa. 2020 Grudowski P. Wiśniewska M. Culture of quality, excellence and safety in the organization. CeDeWu. 2019. Grudowski P. Designing, supervising and improving the quality system according to the PN-EN ISO 9001:2009 standard based on the process approach taking into account the specificity of the SME sector. ODDK. 2010	
	Supplementary literature	Grudowski P., Muchlado M.: Normatywne systemy zarządzania w podmiotach leczniczych na przykładzie województwa pomorskiego// Nowa jakość zarządzania/ ed. Elżbieta Skrzypek Lublin: Wydział Ekonomiczny UMCS w Lublinie, 2017, s.127-133	
	eResources addresses	Podstawowe https://katalogbpg.pg.edu.pl/discovery/fulldisplay?docid=cdi_pwn_primary_282906&context=PC&vid=48FAR_PGD:48PGD&lang=pl&search_scope=MyInst_and_CI&adaptor=Primo%20C - Znormalizowane systemy zarządzania w organizacjach przemysłowych Urszula Wąsikiewicz-Rusnak ; Adrian Cierpiot 2021 Wydawnictwo Naukowe Akademii WSB Adresy na platformie eNauczanie: Normatywne Systemy Zarządzania (24/25) STAC - Moodle ID: 40288 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=40288	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none">- types of generic normative management systems,- structure of MSS type A standards,- types of documented information- development of a process map of the selected organization- preparation of audit questions		
Work placement	Not applicable		

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