GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Normative quality management systems, PG_00064731						
Field of study	Management and Production Engineering						
Date of commencement of studies	February 2025		Academic year of realisation of subject	2025/2026			
Education level	second-cycle studies		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	4.0			
Learning profile	general academic profile		Assessment form	assessment			
Conducting unit	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	15.0	0.0	60
	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	60		9.0		31.0	100
Subject objectives	Getting khnowlage of quality, safety and environmental management systems. Acquiring the ability to design and implement these systems in organizations.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K7_W03] demonstrates structured and theoretically based knowledge covering key issues in the field of Management and Production Engineering enabling the design and synthesis of stationary and non-stationary systems, devices and technological processes with continuous and discrete operation	The student has knowledge of the structure of Normative Management Systems and is able to use his/her knowledge to improve processes.	[SW1] Assessment of factual knowledge
[K7_U14] integrates information obtained from literature and other properly selected sources, including those in a foreign language, creatively interpreting and critically evaluating them, and drawing conclusions	The student is able to analyze normative and scientific studies in order to develop documentation for process improvement.	[SU1] Assessment of task fulfilment
[K7_K11] is aware of importance of professional acting, the need for critical verification of acquired knowledge and consulting experts opinion in case of facing difficulties with individual problem solving	The student is able to analyze documentation regarding Normative Management Systems, improve it and implement it in the organization.	[SK5] Assessment of ability to solve problems that arise in practice
[K7_U04] creatively designs or modifies, in whole or at least in part, production and technological systems and processes, in accordance with the given specifications, taking into account technical and non-technical aspects, estimating costs and using known design techniques appropriate for tasks in the field of Management and Production Engineering	The student, using his/her knowledge and skills, is able to create and implement documentation regarding Normative Management Systems.	[SU5] Assessment of ability to present the results of task

Subject contents

1. Normative Management Systems of the ISO series;2. The context of the organization in ISO Management Systems;3. Leadership - its role in ISO Management Systems;4. Planning requirements in ISO Management Systems;5. Supporting the resources of the organization in the context of ISO 9001;6. Determining the requirements for products and services in the organization;7. Planning and design of development in the context of ISO 9001;8. Audit - a process improvement tool in the context of ISO management systems;9. Improving processes, products and services.

Prerequisites and co-requisites

Basic knowledge of methods and tools used to design and improve processes.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Lab	60.0%	50.0%
Midterm colloquium	60.0%	50.0%

Recommended reading

Basic literature

1. Materials from the lecture placed on the e-learning platform

2. Grudowski P. Designing, supervising and improving the quality system according to the PN-EN ISO 9001: 2009 standard based on a process approach

	Supplementary literature	1. ISO 9001 - the text of the standard 2. ISO 14001 - the text of the standard 3. ISO 450001 - the text of the standard 4. ISO 27001 - the text of the standard
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	1. Interpret the concept of the organization's context and provide methods of its identification2. Identify the risks and opportunities associated with the customer service process3. On what principles is ISO 9001 based?4. What normative management system is responsible for information security management?5. Plan an internal audit in the company in accordance with the requirements of the standard.	
Work placement	Not applicable	

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