GDAŃSK UNIVERSITY OF TECHNOLOGY

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 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	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	Faculty of Management and Economics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Mateusz Muchlado	
	Teachers	dr Mateusz Muchlado	

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

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_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 implement and use selected elements of Normative Management Systems in an organization.	[SK1] Assessment of group work skills
[K7_U03] can use information and communication techniques appropriate for acquiring and processing information and performing tasks typical for engineering activities	The student is able to select and use appropriate tools used in quality management	[SU4] Assessment of ability to use methods and tools
[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 has knowledge about the use of Normative Management Systems in various areas of the organization.	[SW1] Assessment of factual knowledge
[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 develop and implement selected elements of Normative Management Systems.	[SU1] Assessment of task fulfilment

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: Normatywne Systemy Zarządzania Jakością MECH (Zima 23/24) - Moodle ID: 33070 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33070

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