



## Subject card

Subject name and code	QUALITY MANAGEMENT, PG_00061185						
Field of study	Management						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	first-cycle studies		Subject group		Obligatory subject group in the field of study 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	2		Language of instruction		English		
Semester of study	4		ECTS credits		4.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						
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	15.0	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		8.0		47.0	100
Subject objectives	Uses modern methods of ensuring the quality of processes carried out in various organizations, taking into account economic and environmental criteria						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W05] integrates data from many sources to analyze complex problems of modern management		integrates data from many sources in analyzing and evaluating activities aimed at ensuring the quality of implemented processes		[SW1] Assessment of factual knowledge		
	[K6_U05] designs innovative solutions to difficult problems, achieving economic and socially valuable results		designs innovative quality assurance systems based on modern methods		[SU4] Assessment of ability to use methods and tools		
Subject contents	Quality - its definitions and aspects Other basic terms related to quality management TQM as the basis for management systems Models of excellence as the a self-assessment tool Legal aspects of product quality QMS according to ISO 9001. Structure. Requirements Process orientation in management systems Basic tools of process assessment and improvement Costs of quality Other normative management systems (environment, OHS, ....) Integration of management systems						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Presentation		60.0%		40.0%		
	Written exam		60.0%		60.0%		
Recommended reading	Basic literature		Beckford John, Quality Management: Reconsidered for the Digital Economy, Taylor & Francis, 2022 Deming E.W.: Out of the crisis. Cambridge: Massachusetts Institute of Technology 1982				

	Supplementary literature	Blokdyk Gerardus Quality Management a Complete Guide - 2019 Edition, Emereo Pty Limited, 2018 Defeo, J.A. and Juran, J.M., Juran's Quality Handbook: The Complete Guide to Performance Excellence, McGraw-Hill Education, 2010
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Basic principles of TQM Structure and requirements of standards for quality management systems Development trends in QM	
Work placement	Not applicable	

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