

Subject card

Subject name and code	QUALITY ENGINEERING, PG_00061406								
Field of study	Engineering Management								
Date of commencement of studies	October 2024		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	Part-time studies		Mode of delivery			at the university			
Year of study	3		Language of instruction			Polish			
Semester of study	5		ECTS credits			6.0			
Learning profile	general academic pro	general academic profile		Assessment form			exam		
Conducting unit		Department Of Management Engineering And Quality -> Faculty Of Management And Economics -> Wydziały Politechniki Gdańskiej						mics ->	
Name and surname	Subject supervisor		dr hab. inż. Pi	iotr Grudowski					
of lecturer (lecturers)	Teachers								
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	16.0	0.0	16.0	0.0		0.0	32	
	E-learning hours inclu			·				i	
Learning activity and number of study hours	Learning activity	Participation i classes include plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	32		7.0		111.0		150	
Subject objectives	Analyzes production processes using quantitative and qualitative methods, making a critical assessment of them allowing for continuous improvement of quality								
Learning outcomes	Course outcome		omone or quant	.,					
Learning outcomes	Course out	· · · · · · · · · · · · · · · · · · ·	<u> </u>	ject outcome			Method of ve	erification	
Learning outcomes	Course out [K6_W07] analyzes i advanced way mana processes in the tecl economic, financial a context	come n an gement nnical, legal,	Subjuses advance	•	:o		Assessment		
Learning outcomes	[K6_W07] analyzes i advanced way mana processes in the tecl economic, financial a	n an gement nnical, legal, and social novative	Subjuses advance used in quality analyze and exprocesses designs innovabilities of processions for processions	ject outcome ed methods cur y engineering t	ty	[SW1] knowle	Assessment	of factual	
Subject contents	[K6_W07] analyzes i advanced way mana processes in the tecl economic, financial a context [K6_U05] designs in solutions for complex management proces appropriate methods	n an gement nnical, legal, and social novative conservative and seement ability, stability, stability, stability, stability, stability, stability and analysis too entification of questions of a six Sigma progroles in and arcondition arcondition and arcondition and arcondition and arcondition arcondition arcondition and arcondition and arcondition a	Subjuses advance used in quality analyze and eprocesses designs innov solutions for padvanced analyze and process calls uality problems ramound the team chnical drawing SA)	ject outcome ed methods cur y engineering t evaluate product varive pro-quali processes using alytical method apability	ty g s	[SU4] / use me	Assessment dge Assessment ethods and to	of factual of ability to	
	[K6_W07] analyzes i advanced way mana processes in the tecl economic, financial a context [K6_U05] designs in solutions for complex management proces appropriate methods techniques LECTURE Introduction to the su The concepts of vari. Basic quantitative da Classification and idd The essence of the STeam organization; In DMAIC methodology LABORATORY Fundamentals of me Validation of measur Measurement System Statistical Process C Tools and methods f Analysis of the probation.	n an gement nnical, legal, and social novative conservative and seement ability, stability, stability, stability, stability, stability, stability and analysis too entification of questions of a six Sigma progroles in and arcondition arcondition and arcondition and arcondition and arcondition arcondition arcondition and arcondition and arcondition a	Subjuses advance used in quality analyze and eprocesses designs innov solutions for padvanced analyze and process calls uality problems ramound the team chnical drawing SA)	ject outcome ed methods cur y engineering t evaluate product varive pro-quali processes using alytical method apability	ty g s	[SU4] / use me	Assessment dge Assessment ethods and to	of factual of ability to	

Data wygenerowania: 07.05.2025 17:46 Strona 1 z 2

Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade			
and criteria	Test	60.0%	25.0%			
	Exam	60.0%	50.0%			
	Work in groups	60.0%	25.0%			
Recommended reading	Basic literature	Piotr Grudowski, Włodzimierz Przybylski, Mieczysław Siemiątkowski, Inżynieria jakości w technologii maszyn, Wydawnictwo Politechniki Gdańskiej, 2006 Adam Hamrol, Zarządzanie i inżynieria jakości Wydawnictwo Naukowe PWN, 2018 Piotr Grudowski, Ewa Leseure, LSS Plutus - Lean Six Sigma dla małych i średnich przedsiębiorstw, WNT, 2013				
	Supplementary literature .					
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	Actions as a result of the use of SPC cards Elements of the Robust Design methodology The importance of measurement in the assessment of process variability Elements of technical drawing Variation analysis in the process Measurement system analysis					
Work placement	Not applicable					

Document generated electronically. Does not require a seal or signature.

Data wygenerowania: 07.05.2025 17:46 Strona 2 z 2