



Subject card

Subject name and code	, PG_00056525						
Field of study	Engineering Management						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2024/2025		
Education level	first-cycle studies	Subject group			Optional subject group 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	4	Language of instruction			Polish		
Semester of study	7	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Anna Zielińska					
	Teachers	dr Anna Zielińska					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	8.0	0.0	0.0	16
	E-learning hours included: 0.0 Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=13840						
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	16	0.0	0.0	16		
Subject objectives	The aim of the course is to familiarize students with the concept of Quick Response Manufacturing and its impact on the reduction of order fulfillment times in enterprises						
Learning outcomes	Course outcome	Subject outcome	Method of verification				
	[K6_W13] has a basic knowledge of the design, modelling and optimisation of technical processes and systems	The student has basic knowledge of modeling planning and optimization of production processes	[SW3] Assessment of knowledge contained in written work and projects				
	[K6_U08] analyses engineering and managerial solutions in decision-making processes, taking into account pro-quality and pro-environmental aspects, as well as safety of work processes	student analyzes engineering solutions improving the quality of processes in the enterprise	[SU4] Assessment of ability to use methods and tools				
Subject contents	The world of VUCAPillars of Quick Response ManufacturingWhite and gray timesConstruction of MCT mapsCreating cells based on FTMSQuick Response Office CenterQuick Response Cell						
Prerequisites and co-requisites	none						
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
	Project	60.0%	100.0%				
Recommended reading	Basic literature	Rajan Suri Zyskaj na Czasie, Wyd MT Biznes 2017					
	Supplementary literature	Rajan Suri Przewodnik po MCT, Wyd 4Results, QRM Institute Polska					

	eResources addresses	Adresy na platformie eNauczenie: Quick response manufacturing ZI 2024/2025 nstac - Moodle ID: 39707 https://enauczenie.pg.edu.pl/moodle/course/view.php?id=39707
Example issues/ example questions/ tasks being completed	Discuss the structure of the MCT map Discuss the 4 pillars of QRMBuild QRoc on the basis of selected FTMS	
Work placement	Not applicable	

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