

关。GDAŃSK UNIVERSITY 多 OF TECHNOLOGY

Subject card

Subject name and code	Lean Management, PG_00049444								
Field of study	Engineering Management								
Date of commencement of studies	October 2020		Academic year of realisation of subject			2021/2022			
Education level	first-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	2		Language of instruction			Polish			
Semester of study	4		ECTS credits			4.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Industrial Management -> Faculty of Management and Economics								
Name and surname	Subject supervisor dr inż. Joanna Czerska								
of lecturer (lecturers)	Teachers		mgr Anna Wendt						
			dr inż. Joanna						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
	Number of study hours	15.0	30.0	0.0	0.0		0.0	45	
	E-learning hours included: 0.0								
	Address on the e-learning platform: https://enauczanie.pg.edu.pl/moodle/course/view.php?id=9489 Adresy na platformie eNauczanie:								
Learning activity and number of study hours	Learning activity	Participation i classes incluc plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	45		7.0		48.0		100	
Subject objectives	The aim of the Lean I based on the Toyota students with the so-or that students will devo the exercises is to su the labor market desir	Production Sys called WHY ?, i elop during the pport students	tem (TPS).The .e. the reasons exercises are in the developr	e aim of the the s why the know of value for co ment of skills th	eoretical /ledge o mpanies	materia f Lean I s and th	al (lectures) is Management leir employee	s to familiarize and the skills s.The aim of	
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 in the field of Lean Management and is able to apply it in practice, solving problems arising in production, service and logistics processes.			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation			
	[K6_U10] uses tools to measure and improve technical solutions concerning: devices, objects, systems, processes, products and services		The student is able to evaluate the process and indicate its ineffectiveness. The student has developed the ability to work in a team based on values			[SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools			

Subject contents							
	 Introduction to Lean Management and Toyota Production System (2W)2. Phases of building a team focused on a common goal according to Patric Lencioni (2W)3. Begin with why. Simon Sinek's concept (2W)4.10 Kaizen (2W) principles5. 3 types of security in the enterprise. Financial, mental and physical (2W)6.3 votes in the enterprise. Client's voice, the company's voice and the employee's voice. (2W)Management by values (2W)7. Improvement Kata simulation game (9C)1. Team identity and values2. Lean Leadership3. Continuous improvement management9. Learn to see. Introduction to value stream mapping with the Makigami method. (9C)10. Analysis and improvement of the flow of processes on selected examples - case studies (12C)Problem diagnosis. Diagnosis of the state of the existing processSetting a goal for change. Building a process visionIdentifying root causes and designing improvement actionsPlanning changes using the road mapConcept design: (1) budget PLN 0, (2) cheap, (3) new technologies with established limitationsCommunication of changes 						
Prerequisites and co-requisites							
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	Implementation of the development plan	80.0%	25.0%				
	project	60.0%	25.0%				
	Completion of the on-line course	75.0%	25.0%				
	Attendance at class	80.0%	25.0%				
Recommended reading Basic literature		 Cel I. [T.] 1, Doskonałość w produkcji. Eliyahu M. Goldratt i Jeff Cox Pięć dysfunkcji pracy zespołowej. Opowieść o przywództwie. Patric Lencioni Zaczynaj od dlaczego. Jak wielcy liderzy inspirują innych do działania. Simon Sinek Poradnik Młodego Lean Lidera. red. Joanna Czerska Naucz się widzieć. Metoda mapowania strumienia wartości. John Shook, "Mike Rother 1.Narzędzia Lean Management. Joanna Czerska 2.Doskonalenie strumienia wartości. Joanna Czerska 					
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European (eResources addresses						
Example issues/ example questions/ tasks being completed	https://enauczanie.pg.edu.pl/moodle/course/view.php?id=9489						
Work placement	Not applicable						