

Subject card

Subject name and code	Production Engineering, PG_00040526								
Field of study	Engineering Management								
Date of commencement of studies	October 2022		Academic year of realisation of subject			2024/2025			
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 (on-line)		Mode of delivery			at the university			
Year of study	3		Language of instruction			Polish			
Semester of study	5		ECTS credits			4.0			
Learning profile	general academic profile		Assessment form			exam			
Conducting unit	Department of Industrial Management -> Faculty of Management and Economics								
Name and surname	Subject supervisor dr inż. Jolanta Łopatowska								
of lecturer (lecturers)	Teachers								
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	atory Project		Seminar	SUM	
of instruction	Number of study hours	16.0	16.0	0.0	0.0		0.0	32	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation in classes include plan		Participation in consultation hours		Self-study		SUM	
	Number of study 32 hours			8.0		60.0		100	
Subject objectives	The aim of the course is to understand the essence of production planning and control at every level of operational activity and to acquire the skills to ensure the efficient running of production processes.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K6_W12] has a basic knowledge of production management and occupational safety and ergonomics management, as well as information technologies necessary for engineering management		in the planning and control			[SW3] Assessment of knowledge contained in written work and projects			
	[K6_W10] has the knowledge of the life cycle of the production system and the product		production system. Decomposes			[SW3] Assessment of knowledge contained in written work and projects			
	[K6_U11] can plan and control production and production quality, including the identification and formulation of specifications for simple engineering tasks		Uses basic methods of production planning and control.			[SU4] Assessment of ability to use methods and tools			
Subject contents	Production system and production process. Decomposition of the production system. Activities in production planning and control. Demand forecasting. Planning of production capacity. Sales and operations planning S&OP). Maste plan scheduling The order of tasks. Pull and push concepts. Production planning and control according to MRP. Planning and control in MRPII / ERP systems. Balancing production in JiT systems (OPF), heijunka. Kanban system, supermarket. Production planning and control according to the Theory of Constraints, DBR method.								
Prerequisites and co-requisites	production management								
Assessment methods	nethods Subject passing criteria		Passing threshold		Percentage of the final grade				
and criteria	colloquium		60.0%		25.0%				
	reports		50.0%		25.0%				
	exam		60.0%			50.0%			
Recommended reading	Brzeziński M.: Organizacja i sterowanie produkcją. Placet, Warsza 2002 Waters D.: Zarządzanie operacyjne. Towary i usługi. PWN, Warszawa 2012 Bozarth C., Handfield R.: Wprowadzenie do zarządzania operacjami I łańcuchem dostaw. Helion 2007				PWN,				

Data wydruku: 26.04.2024 05:22 Strona 1 z 2

	Supplementary literature	Goldratt M. Cox J.: Cel. Doskonałość w produkcji, Mint Books 2008 Pasternak K.: Zarys zarządzania produkcją, PWE 2005 Pająk E.: Zarządzanie produkcją, PWN 2006, Pająk E., Klimkiewicz M., Kosieradzka A., Zarządzanie produkcją i usługami, PWE, 2014. The Productivity Press Development Team: Kanban na hali produkcyjnej. Prod.Publishing, 2010, Balle F., Balle M.: Kopalnia złota, Lean Enterprise Institute, Wrocław 2013				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	Strategies for building sales and operations. plans S&OP					
	Characteristics of the method of drum-buffer-rope.					
Work placement	Not applicable					

Data wydruku: 26.04.2024 05:22 Strona 2 z 2