

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	BUSINESS PROCESSES MODELING, PG_00060938							
Field of study	Management							
Date of commencement of studies	October 2023		Academic year of realisation of subject			2023/2024		
Education level	second-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	1		Language of instruction			Polish		
Semester of study	1		ECTS credits			2.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Department of Manag	Ity of Management and Economics						
Name and surname	Subject supervisor	dr inż. Katarzyna Karpienko						
of lecturer (lecturers)	Teachers		dr inż. Katarz)				
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	0.0	0.0	30.0	0.0		0.0	30
	E-learning hours included: 0.0							
Learning activity and number of study hours	Learning activity Participation ir classes includ plan		i didactic Participation in ed in study consultation hours		Self-study SUM			
	Number of study hours	30		3.0		17.0		50
Subject objectives	Uses simulation methods to map the operation of the real process, critically interpreting the results obtained before using them in the decision-making process							
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[K7_W01] identifies in-depth the phenomena related to the studied field and the theories describing them as well as possible concepts and methods of management		identifies the key components of the examined process, mapping them in accordance with the methodology used in the created simulation model			[SW1] Assessment of factual knowledge		
	[K7_U02] presents logical and solid arguments about the obtained results, by analyzing and synthesizing information in various business contexts, approaching their interpretation critically		interprets the results of the simulation experiment, indicating the directions of improvement in the tested process			[SU5] Assessment of ability to present the results of task		
Subject contents	Basic concepts and definitions, familiarization with the iGrafx Process tool, creating a process map, basic symbols (events, activities, gates) Simulation elements: schedules, generators, resources, tasks, attributes, functions, decision gates, freeze frames, charts, scenarios, reports Simulation environment settings, scenarios Implementation of the content of tasks in accordance with the set parameters, simulation, analysis of results, process optimization Final task							
Prerequisites and co-requisites								
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade		
	Final test		60.0%		100.0%			
Recommended reading	Basic literature		Dokumentacja	Dokumentacja programu iGrafx Process, dostępna w Intern				ernecie

	Supplementary literature	Grajewski P: Organizacja procesowa, PWE 2007 Grzesiak M.: Modelowanie procesów biznesowych z wykorzystanie narzędzi iGrafx Process 2015, Wydawnictwo Politechniki Gdańskiej 2018 Piotrowski M.: Notacja modelowania procesów biznesowych. Podstawy, BTC 2014 Piotrowski M.: Procesy biznesowe w praktyce. Projektowanie, testowanie i optymalizacja, Helion 2013			
	eResources addresses	Adresy na platformie eNauczanie: Modelowanie procesów biznesowych 2023/2024 - Moodle ID: 33446 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33446			
Example issues/ example questions/ tasks being completed	Build a simulation model of the proces Carry out a simulation experiment Interpret the results and make improvements to the proces				
Work placement	Not applicable				

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