



Subject card

Subject name and code	BUSINESS PROCESSES MODELING, PG_00063790						
Field of study	Management						
Date of commencement of studies	February 2025		Academic year of realisation of subject		2024/2025		
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	Part-time studies (on-line)		Mode of delivery		blended-learning		
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 Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Katarzyna Karpienko				
	Teachers		dr inż. Katarzyna Karpienko				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	16.0	0.0	0.0	16
	E-learning hours included: 12.0						
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		4.0		30.0	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_W02] explains the meaning and interdependence of key components describing management processes, using in-depth knowledge consistent with the main trends in the development of scientific disciplines related to the field of study		identifies the key components of the examined process, mapping them in accordance with the contemporary used methodology in the created simulation model		[SW3] Assessment of knowledge contained in written work and projects		
	[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 programu iGrafx Process, dostępna w Internecie				

	Supplementary literature	Grajewski P: Organizacja procesowa, PWE 2007 Grzesiak M.: Modelowanie procesów biznesowych z wykorzystaniem 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 (online) 2024-2025 - Moodle ID: 44703 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=44703
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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