



## Subject card

Subject name and code	BUSINESS PROCESSES MODELING, PG_00063744						
Field of study	Management						
Date of commencement of studies	October 2024	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	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 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	30.0	0.0	0.0	30
	E-learning hours included: 0.0						
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	30		4.0		16.0	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		
	Laboratory tasks		60.0%		100.0%		
Recommended reading	Basic literature		Dokumentacja programu iGrafx Process, dostępna w Internecie				

	Supplementary literature	<p>Drejewicz Sz.: Zrozumieć BPMN. Modelowanie procesów biznesowych. Wydanie 2 rozszerzone, Helion 2017</p> <p>Grzesiak M.: Modelowanie procesów biznesowych z wykorzystaniem narzędzi iGrafx Process 2015, Wydawnictwo Politechniki Gdańskiej 2018</p> <p>Piotrowski M.: Notacja modelowania procesów biznesowych. Podstawy, BTC 2014</p> <p>Piotrowski M.: Procesy biznesowe w praktyce. Projektowanie, testowanie i optymalizacja, Helion 2013</p> <p>Grajewski P: Organizacja procesowa, PWE 2007</p>
	eResources addresses	<p>Adresy na platformie eNauczenie:</p> <p>MODELOWANIE PROCESÓW BIZNESOWYCH - Moodle ID: 40882  <a href="https://enauczenie.pg.edu.pl/moodle/course/view.php?id=40882">https://enauczenie.pg.edu.pl/moodle/course/view.php?id=40882</a></p>
Example issues/ example questions/ tasks being completed	<p>Build a simulation model of the proces</p> <p>Carry out a simulation experiment</p> <p>Interpret the results and make improvements to the proces</p>	
Work placement	Not applicable	

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