



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 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	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 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 eNauczenie: 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	