



## Subject card

Subject name and code	Business Processes Modelling, PG_00050213						
Field of study	Management						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2022/2023		
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	The aim is to acquire the practical skills to construct models of the processes using iGrafx Process software, simulation experiments, inference based on simulation results.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena	Is able to apply iGrafx Process software for building process models, conduct simulation experiments and draw conclusions based on the results.			[SU1] Assessment of task fulfilment		
	[K7_W07] knows in depth selected methods and techniques of data acquisition, enabling analysis and modelling of structures and socio-economic relations, processes taking place and their impact on the implementation of objectives of the organization, including government administration, local government and non-profit organizations	Has knowledge of methods and tools for process modeling applied in business practice.			[SW1] Assessment of factual knowledge		
Subject contents	Basic concepts and definitions, getting familiar with iGrafx Process, process mapping, basic symbols (events, activities, getways). Simulation components: schedules, generators, resources, activities, attributes, functions, decision getways, charts, scenarios and reports. Simulation environment settings, scenarios. Realization of tasks according to given parameters, simulating, analyzing results, optimizing the process. Examination task.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Class exercise	60.0%			100.0%		

Recommended reading	Basic literature	User manual of iGrafx Process, available on the Internet  Lab instructions published via <a href="https://enauczanie.pg.edu.pl/moodle/">https://enauczanie.pg.edu.pl/moodle/</a>
	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 2022/2023 - Moodle ID: 20990 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20990">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=20990</a>
Example issues/ example questions/ tasks being completed	Build a simulation model of a process.  Carry out a simulation experiment.  Interpret the results and make improvements to the process.	
Work placement	Not applicable	