GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	PROCESS MANAGEMENT, PG_00060999
Field of study	Management, 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	Part-time studies	Mode of delivery	blended-learning
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	3.0
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. Marzena Grzesiak
	Teachers	dr inż. Marzena Grzesiak
		Piotr Sliż

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	8.0	0.0	0.0	24
	E-learning hours included: 10.0						

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	24	6.0	45.0	75

Subject objectives	Interprets the principles of process organization functioning by modeling processes, conducting simulation experiments and interpreting the results

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_U04] prepares and presents convincing, professional presentations of the results of its activities, with their in-depth interpretation	maps the operation of a real process in the form of a simulation model, presenting and interpreting the results obtained from a simulation experiment	[SU4] Assessment of ability to use methods and tools
	[K7_W03] demonstrates in-depth preparation in the application of management methods and techniques for formulating and solving management problems	applies the BPMN modeling methodology to simulate business processes, obtaining solutions to defined problems	[SW1] Assessment of factual knowledge

Subject contents	LECTURE
	Definitions and differences between functional and process organization
	Process approach in selected management concepts
	Definition and classification of processes
	Models and standardization of processes
	The essence and goals of process management
	Methodology of managing economic processes
	Identification and mapping of processes
	Modeling processes and implementing changes
	Process management
	Methods and techniques for process improvement and management
	Implementation of the process approach in the organization
	Process control. IT systems supporting process management
	LABORATORY
	Principles of building process maps in BPMN notation
	Defining event parameters, activities
	Defining messages, attributes and model parameters
	Running a simulation
	Analysis of the results
	Implementation of an independent task: creating a process map, defining process parameters, conducting simulations, analyzing reports, creating scenarios, modifying model parameters
	Project implementation: creating a process map in accordance with the given description, defining model parameters (duration times, attributes, schedules, generators and others resulting from the process description), conducting simulations, analyzing the results, improving the process (modification of the process map and/or model parameters)

Prerequisites and co-requisites	

Assessment methods and criteria			
	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final test	56.0%	50.0%
	Exercises	56.0%	50.0%

Recommended reading	Basic literature	Dumas M., La Rosa.M, Mendling J., Rejiers H.A.: Business Process Management. Istota zarządzania procesami biznesowymi, PWN, Warszawa 2022
		Grajewski P.: Organizacja procesowa, PWE, Warszawa 2007
		Misiak Z.: Modelowanie procesów biznesowych. BPMN 2.0 od podstaw, Onepress, 2023
		Sliż P: Organizacja procesowo-projektowa. Istota. Modelowanie. Pomiar dojrzałości. Wydawnictwo Difin, Warszawa 2021
	Supplementary literature	
		Bitkowska A.: Zarządzanie procesami biznesowymi w przedsiębiorstwie, Vizja Press&IT, Warszawa 2009
		Bitkowska A.: Zarządzanie procesowe we współczesnych organizacjach, Difin 2013
		Grzesiak M. Modelowanie procesów biznesowych z wykorzystaniem narzędzi iGrafx Process 2015, Gdańsk 2018, wyd. PG
		Piotrowski M.: Notacja modelowania procesów biznesowych. Podstawy, Wydawnictwo BTC 2014
		Skrzypek E., Hoffman M.: Zarządzanie procesami w przedsiębiorstwie, Wolters Kluwer 2011
	eResources addresses	Adresy na platformie eNauczanie: Zarządzanie procesowe - niestacjonarne 2024 - Moodle ID: 39527 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=39527

Example issues/ example questions/ tasks being completed	Characterize selected management concepts using the process approach. Analyze the differences
	Discuss selected IT tools in process management
	Perform the exercise according to the instructions - getting to know the application
	Graphically represent the process described in the task. Define its parameters. Analyze the results of the process. Suggest changes

Work placement	Not applicable

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