GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Processes Modelling Methods, PG_00044282		
Field of study	Engineering Management		
Date of commencement of studies	October 2021	Academic year of realisation of subject	2022/2023
Education level	first-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	blended-learning
Year of study	2	Language of instruction	Polish
Semester of study	4	ECTS credits	3.0
Learning profile	general academic profile	Assessment form	exam
Conducting unit	Katedra Inżynierii Zarządzania i Jakości -> Faculty of Management and Economics		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Mateusz Muchlado	
	Teachers	dr Mateusz Muchlado	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	0.0	0.0	0.0	30

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	30	6.0	39.0	75

Subject objectives

The aim of the course is to present selected forms of management and process modeling

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_U04] forecasts phenomena and processes in the organisation, including technical and innovative processes	The student is able to forecast technical processes in the enterprise	[SU4] Assessment of ability to use methods and tools
[K6_U08] analyses engineering and managerial solutions in decision-making processes, taking into account pro-quality and pro-environmental aspects, as well as safety of work processes	analyzes engineering and managerial solutions in decision making processes, including aspects focused on process management	[SU3] Assessment of ability to use knowledge gained from the subject
[K6_W13] has a basic knowledge of the design, modelling and optimisation of technical processes and systems	has basic knowledge in the field of design, modeling and optimization of processes	[SW3] Assessment of knowledge contained in written work and projects

Subject contents

- basics of modeling
- model classifications
- static and dynamic models
- review of process modeling methods
- notations in process modeling
- KPIs as process success factors
- BPMN in process modeling

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
writting paper	60.0%	100.0%

Recommended reading	Basic literature	Drejewicz S. Zrozumieć BPMN. Modelowanie procesów biznesowych, Wyd. Helion, Gliwice 2011 Grajewski P. Procesowe zarządzanie organizacją, Wyd PWE Warszawa 2012
	Supplementary literature	Szczepańska K., Bugdol M., Podstawy zarządzania procesami, Wyd Difin, Warszawa 2016
	eResources addresses	Podstawowe http://Teachingmaterialsonthee-learningplatform - Teaching materials on the e-learning platform Uzupełniające Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Identification, analysis, modeling and improvement of the selected process	
Work placement	Not applicable	