



## Subject card

Subject name and code	Processes Modelling Methods, PG_00044440						
Field of study	Engineering Management						
Date of commencement of studies	October 2020	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	Part-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Grzegorz Zieliński					
	Teachers	dr inż. Grzegorz Zieliński					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	0.0	0.0	0.0	16
	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	16	6.0		53.0		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	has basic knowledge in the field of forecasting processes, including technical and innovative ones			[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information		
	[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		
	[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		
Subject contents	<ul style="list-style-type: none"><li>- basics of modeling</li><li>- model classifications</li><li>- static and dynamic models</li><li>- review of process modeling methods</li><li>- notations in process modeling</li><li>- KPIs as process success factors</li><li>- BPMN in process modeling</li></ul>						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	writing 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	Adresy na platformie eNauzanie: Metody modelowania procesów - zaoczne - ZIMA 2022/2023 sem V - Moodle ID: 26827 <a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=26827">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=26827</a>
Example issues/ example questions/ tasks being completed	Identification, analysis, modeling and improvement of the selected process	
Work placement	Not applicable	