



Subject card

Subject name and code	Business Intelligence, PG_00037188						
Field of study	Economic Analytics						
Date of commencement of studies	October 2021	Academic year of realisation of subject			2023/2024		
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			assessment		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Anna Trzaskowska				
	Teachers		dr inż. Anna Trzaskowska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	8.0	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	Appliacation of the BI systems in the decision processes in organization.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_U02] Can use basic theoretical knowledge of economics and finance and obtain data to analyse processes and economic phenomena.	The student uses the known methods and tools. The student presents the results of his work.			[SU1] Assessment of task fulfilment [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task [SU2] Assessment of ability to analyse information		
	[K6_K04] Thinks and acts in an entrepreneurial way.	The student solves problems independently and in groups.			[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work [SK2] Assessment of progress of work [SK1] Assessment of group work skills		
[K6_W05] Has the knowledge of the links between the real economy and the financial system.	Analyzes data and information from various sources.			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects			
Subject contents	Introduction to Business Intelligence supporting management decisions using information technology. Data mining. Gaining competitive advantage through the use of business intelligence methods. Excel Power Query and Power BI as a Business Intelligence tool.						

Prerequisites and co-requisites	The basis of the computer science		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Practical exercises	60.0%	75.0%
	Written colloquium from lectures	60.0%	25.0%
Recommended reading	Basic literature	Radziszewski P., Business Intelligence, Poltex, Warszawa, 2016 Surma J., Business Intelligence, PWN, Warszawa, 2018 Surma J., Cyfryzacja życia w erze Big Data, PWN, Warszawa, 2017	
	Supplementary literature	Own laboratory materials	
	eResources addresses	Adresy na platformie eNauczanie: Business Intelligence NSTAC 2023/2024 - Moodle ID: 29137 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29137	
Example issues/ example questions/ tasks being completed	Introduction to Power BI.Data import. Work with data in Power Query. Creating relations. Reports. DAX functions.		
Work placement	Not applicable		

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