



Subject card

Subject name and code	BUSINESS INTELLIGENCE, PG_00045016						
Field of study	Management						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2023/2024		
Education level	second-cycle studies	Subject group			Optional subject group 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	2	Language of instruction			English		
Semester of study	3	ECTS credits			2.0		
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	15.0	0.0	15.0	0.0	0.0	30
	E-learning hours included: 0.0						
Business Intelligence IM 2023/2024 - Moodle ID: 29136 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29136							
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		2.0		18.0	50
Subject objectives	Application of the BI systems in the decision processes in organization.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[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		Analyzes data and information from various sources.		[SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects		
[K7_U10] uses appropriate methods and techniques to support the decision-making process to solve problems occurring in livestock units		The student uses the known methods and tools. The student presents the results of his work.		[SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task			
Subject contents	Introduction to Business Intelligence supporting management decisions using information technology. Datamining. Gaining competitive advantage through the use of business intelligence methods. Excel PowerQuery and Power BI as a Business Intelligence tool.						
Prerequisites and co-requisites	The basis of the computer science. Knowledge of Excel at an intermediate level.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written colloquium from lectures	60.0%	25.0%
	Practical exercises	60.0%	75.0%
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	
Example issues/ example questions/ tasks being completed	eResources addresses		
		Introduction to Power BI.	
		Data import.	
		Work with data in Power Query.	
		Creating relations.	
		Reports.	
		DAX functions.	
Work placement		Not applicable	