



Subject card

Subject name and code	BUSINESS INTELLIGENCE, PG_00049869						
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	Full-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	15.0	0.0	15.0	0.0	0.0	30
	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	30		6.0		39.0	75
Subject objectives	Appliacation of the BI systems in the decision processes in organization.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_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 [SW3] Assessment of knowledge contained in written work and projects		
	[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.		[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		
	[K6_K04] Thinks and acts in an entrepreneurial way.		The student solves problems independently and in groups.		[SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice [SK2] Assessment of progress of work		
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		
	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
	eResources addresses	Adresy na platformie eNauczanie: Business Intelligence STAC 2023/2024 - Moodle ID: 29138 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=29138
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	