



Subject card

Subject name and code	Diploma thesis 1, PG_00045314						
Field of study	Data Engineering						
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	Full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			English		
Semester of study	6	ECTS credits			4.0		
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	0.0	0.0	0.0	15.0	0.0	15
	E-learning hours included: 0.0						
FINAL PROJECT AND MASTER SEMINAR 22/23 summer - Moodle ID: 28670 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=28670							
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	15	10.0		75.0	100	
Subject objectives	Preparing the student to write a substantive engineering thesis (searching for literature, problem formulation, data collection, selection of solution methods, interpretation of results) and formal (preparation of the text of the work in accordance with the applicable rules).						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_W15] Knows the basic concepts and principles regarding the protection of industrial property and copyright	The student recognizes and recalls relevant regulations copyright protection.	[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
	[K6_U13] Is able to prepare, independently and in a team, studies and analyses appropriate for the field of data engineering.	The student independently or in a team carries out the appropriate analyzes and creates studies based on them.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
	[K6_U02] designs, analyses correctness and creates functional specification of IT systems, selects appropriate measures, creates quality models, prepares and assesses their design documentation.	The student correctly designs the functional specification of IT systems, and also analyzes the correctness of the existing ones. During this process, he selects research methods and tools appropriately. Creates project documentation.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools
	[K6_K03] Knows how to cooperate or work in a project team and take managerial or executive functions.	The student is able to work in a project team and assume managerial or executive functions.	[SK1] Assessment of group work skills [SK3] Assessment of ability to organize work
[K6_K01] is aware of quickly changing trends and the resulting need for further education and self-improvement in the area of the performed profession of an engineer with IT and economic-financial skills.	The student understands the need for continuous learning, improving professional, personal and social competences.	[SK5] Assessment of ability to solve problems that arise in practice	
Subject contents	<p>Formal aspects of preparing a thesis.</p> <p>Formulation of the research problem.</p> <p>Search and analysis of the literature on the subject.</p> <p>Collecting data from various sources: surveys, observations, statistical data, documentation.</p> <p>Selection of the method of solving the problem.</p> <p>Solving the problem and interpreting the results.</p> <p>Conclusions confirming the solution of the problem.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	scope of the thesis, one chapter of the thesis	60.0%	100.0%
Recommended reading	Basic literature	reading list appropriate for the specificity of the diploma thesis	
	Supplementary literature	none	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		