



Subject card

Subject name and code	PROJECTS IN ENTERPRISES, PG_00058520						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022	Academic year of realisation of subject			2024/2025		
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	6	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Krzysztof Redlarski					
	Teachers	dr inż. Krzysztof Redlarski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	30.0	0.0	0.0	45
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	45	5.0	25.0	75		
Subject objectives	Develops skills in planning, executing, and evaluating business projects using data analysis methods and project management tools in a business environment						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W06] Understands and applies methods for classifying and evaluating acquired information based on advanced general and specialized knowledge, with consideration of their application in various types of professional activities.	Knows and understands the methods of classification and evaluation of information used in business project management, taking into account advanced general and specialized knowledge as well as their practical application in various areas of business operations			[SW1] Assessment of factual knowledge		
	[K6_U03] Demonstrates professional and effective teamwork in addressing interdisciplinary problems, both as a leader and as a team member	Is able to work effectively in a project team, both as a leader and a team member, undertaking professional actions in the implementation of interdisciplinary business projects and collaborating successfully to achieve common goals			[SU2] Assessment of ability to analyse information		
Subject contents	<p>LECTURE: Basic issues related to project management. Classical, agile and adaptive project management methodologies. Principles of project planning. Project management areas and processes. Project integration management. Scope management in a project. Resource management in a project. Time management in a project. Cost management in a project. Methods of cost and time analysis in a project. Quality management in a project. Communication management in a project. Risk management in a project. Procurement management in a project. Project portfolio management.</p> <p>LABORATORY: Using Project software to implement your own project. Designing a network of activities in the form of a network diagram. Designing a network of activities from a list of tasks, master and subordinate tasks. Allocation of resources to tasks according to the method of fixed work, fixed time, fixed number of resources. Balancing of resources and elimination of overloads. Overtime as an emergency resource. Shared pool of resources. Management of multiple projects. Project cost analysis. Risk analysis of meeting the project deadline. Reporting (printouts).</p>						

Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Written exam	60.0%	40.0%
	Project - laboratory	60.0%	60.0%
Recommended reading	Basic literature	<p>1. Redlarski K.: Podstawy metodyki zarządzania projektami w ujęciu klasycznym, Wydawnictwo Politechniki Gdańskiej, Gdańsk 2016</p> <p>2. Project Management Institute, Inc.: A Guide to the Project Management Body of Knowledge, (PMBOK® Guide)</p> <p>3. Wilczewski S.: MS Project 2013 i MS Project Server 2013. Efektywne zarządzanie projektem i portfelem projektów. Wydawnictwo Helion, Gliwice 2014</p>	
	Supplementary literature	<p>1. Berkun S.: Sztuka zarządzania projektami, Helion, 2006r;</p> <p>2. Trocki M.: Zarządzanie projektami, PWN Warszawa 2003r;</p>	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<p>1. point out the difference occurring between the terms project and process 2. list the main phases of project execution 3. list the known areas of project management (e.g. according to PMBOK Guide) 4. what are the characteristics of classical project management methodologies 5. what are the characteristics of agile methodologies of project management 6. list and describe the three main project constraints 7. what is a schedule and how it can be defined in a project 8. what is a budget and how it can be defined in a project 9. what is the scope of a project and how it can be determined 10. what is the critical path of a project and what properties it has 11. what is a Gantt chart and what properties it has 12. what is a responsibility matrix and why it is created in a project 13. what is quality in a project and how to ensure it 14. discuss the earned value method (Earned Value) 15. discuss the Program Evaluation and Review Technique (PERT) method 16. what is resource balancing in a project 17. list ways to eliminate over-allocation in a project 18. what are costs in a project and how we can optimize them 19. what is work in a project and how we can determine it 20. what is change management in a project 21. what are the inputs and outputs of the project execution management process 22. what is the cycle (Deming's wheel) 23. what is risk in a project and what are its basic characteristics 24. discuss possible reactions (responses) to risks 25. activities performed in the quantitative and qualitative analysis of risks 26. Dimensions (types) of communication methods 27. Number of communication channels - dependence on the complexity of the project 28. Communication model 29. Stakeholder assessment matrix and actions for each type of stakeholder 30. Activities performed during project/phase closure.</p>		
Work placement	Not applicable		

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