



## Subject card

Subject name and code	Methods and tools in project management, PG_00038024						
Field of study	Management, 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	Part-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Grzegorz Zieliński				
	Teachers		dr inż. Grzegorz Zieliński				
			Karolina Lipińska				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	8.0	0.0	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		1.0		32.0	49
Subject objectives	Learning basic methods and techniques for efficient and effective project management. Acquisition the skills the use known methods and techniques of project management.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U02] analyses complex economic processes and phenomena using selected methods and techniques for analysing socio-economic data, and formulates their own opinions and conclusions concerning these processes and phenomena		analyzes complex processes and economic phenomena using selected methods and techniques of project management, as well as formulates its own opinions and conclusions regarding these processes and phenomena		[SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_K04] acts in accordance with the principles of building relations and managing processes and projects, organizing them for the benefit of the company and anticipating the consequences of decisions made		operates in accordance with the principles of building relationships and project management, organizing them for the good of the company and anticipating the consequences of decisions made		[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice		
	[K7_W02] has an in-depth knowledge of classical and modern management concepts and their application in the management of modern organizations of various types		have in-depth knowledge of project management methods and tools and the possibilities of their application in managing contemporary organizations of various types		[SW1] Assessment of factual knowledge		

Subject contents	LECTURE		
	1. Methods of management time and cost to the project. PERT method - cost		
	2. Method of decision-making in the project		
	3. Methods of risk management in the project		
	4. The method of earned value management (EVM)		
	5. Methods of group problem-solving project		
	<b>Exercises</b>		
	Solving problems on the basis of applications:		
	Methods of management time and cost to the project. PERT method - cost		
Methods of decision-making in the project			
Methods of project risk management			
Methods Earned Value Management (EVM)			
Methods of group problem solving in the project.			
Prerequisites and co-requisites	Pass a subject: MANAGEMENT of innovative programs and projects		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	project	60.0%	100.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"><li>• <b>Kompendium</b> wiedzy o zarządzaniu projektami - <b>PMBOK Guide</b>, wyd. 7 wyd PMI 2021</li><li>• <b>Trocki M.</b>, Grucza B., Ogonek K.: Zarządzanie projektami. PWE 2003.</li><li>• <b>Wirkus M.</b>, Roszkowski H., Dostatni E., Gierulski W.: Zarządzanie projektem. Wyd.: PWE, 2013.</li><li>• <b>Wysocki R.</b>, Efektywne zarządzanie projektami , wyd. OnePress 2018</li></ul>	
	Supplementary literature	<ul style="list-style-type: none"><li>• <b>IPMA ICB - Wytyczne kompetencji indywidualnych IPMA - Wyd IPMA 2015</b></li></ul>	
	eResources addresses	Adresy na platformie eNauczanie: Metody i narzędzia zarządzania projektami - ZIMA 2023/2024 - Moodle ID: 33532 <a href="https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33532">https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33532</a>	

Example issues/ example questions/ tasks being completed	determine the level of risk for the selected project situation, assess the state of progress of the project based on the method EV
Work placement	Not applicable