

Subject card

Subject name and code	Knowledge Management in Projects in the Age of AI, PG_00178821						
Field of study	Management						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	Master's studies	Subject group			Obligatory subject group in the field of study 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	4	ECTS credits			5.0		
Learning profile	academic	Assessment form			credit		
Conducting unit	Department of Organisation and Management -> Faculty of Management -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor	prof. dr hab. Agnieszka Szpitter					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	16.0	0.0	0.0	0.0	32
	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	32	2.0	91.0	125		
Subject objectives	<p>The "Knowledge Management in Projects in the AI Era" module aims to deliver contemporary and crucial knowledge on this topic within enterprise management. It will familiarize students with the concepts, terminology, methods, and practices related to project knowledge management in the age of artificial intelligence.</p> <p>This course addresses real demands in the job market, as companies are actively seeking specialists who understand how to leverage AI for knowledge management, including project-specific knowledge. We're preparing students for future challenges, as artificial intelligence is revolutionizing how we work and manage projects. This module fosters critical thinking, problem-solving, collaboration, and adaptability to new technologies all highly valued competencies in the digital era.</p> <p>The course combines theory with practical application of knowledge in real-world projects. It also emphasizes the strategic importance of knowledge, which, in the AI era, is becoming one of an organization's most crucial assets.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[ZARZMU2_U12] The student can use technologies and IT systems (including advanced ones) to support the execution of management-related tasks.	Upon completing the course, the student will be able to: <ul style="list-style-type: none"> • Proficiently use diverse AI-powered IT tools to effectively support management processes. • Select and justify the application of specific AI tools for solving management problems (including project management). • Critically evaluate the potential and limitations of new IT technologies in the context of their use in management. • Utilize IT tools for collecting, analyzing, visualizing, and presenting management data. • Develop skills for self-learning and adapting to the dynamically changing environment of IT tools in management. 	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[ZARZMU2_W01] The student has an in-depth knowledge and understanding of the theories in management, quality sciences, economics, and finance and their role within the social sciences. This knowledge is particularly relevant for making informed business decisions.	Upon completing the course, the student will be able to: <ul style="list-style-type: none"> • Articulate the position and significance of these theories within the broader social sciences framework. • Demonstrate a deep understanding of how these theories specifically inform and influence business decision-making processes. • Evaluate the relevance and applicability of various theoretical perspectives from management, quality, economics, and finance when addressing complex business challenges. • Integrate knowledge from these diverse fields to develop holistic insights into organizational functioning and strategic choices. 	[SW4] test/exam - oral or written
	[ZARZMU2_U04] The student can effectively select, use, adapt, or create methods and tools from management, quality sciences, economics, and finance for decision-making.	Upon completing the course, the student will be able to: <ul style="list-style-type: none"> • Properly utilize and adapt existing methods and tools to specific, often non-standard, decision-making situations. • Develop or modify new analytical and decision-making methods and tools when standard approaches prove insufficient. • Critically evaluate the effectiveness and limitations of applied methods and tools in the context of decision-making efficiency. 	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task
	[ZARZMU2_K01] The student is prepared to gain and enhance the knowledge required to solve both cognitive and practical problems, particularly in the areas of management and quality sciences. Additionally, the student is capable of critically evaluating the knowledge and content received and will seek guidance from experts if they encounter difficulties in resolving a problem independently.	Upon completing the course, the student will be able to: <ul style="list-style-type: none"> • Demonstrate a proactive attitude in acquiring and deepening knowledge, particularly in the fields of management and quality sciences, needed to solve complex cognitive and practical problems. • Critically assess the reliability and adequacy of existing knowledge and information from various sources. • Be open to new perspectives and actively seek solutions that go beyond standard frameworks. • Recognize their own limitations in terms of knowledge and skills, and, when necessary, effectively seek expert opinions and utilize their support in solving difficult problems. • Take responsibility for their own intellectual and professional development, striving for continuous improvement. 	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK5] implementation of a problem task

	Course outcome	Subject outcome	Method of verification
	[ZARZMU2_W08] The student possesses a deep understanding of management processes, including their objectives, specificity, complexity, and how they relate to other organizational processes, alongside the challenges and dilemmas presented by a dynamically changing environment.	Upon completing the course, the student will be able to: <ul style="list-style-type: none"> • Deeply analyze the goals, specifics, and complexities of key management processes (e.g., planning, organizing, motivating, controlling) in various types of organizations. • Identify and assess the main challenges and dilemmas accompanying management processes, stemming from the dynamically changing business environment (e.g., globalization, digitalization, market uncertainty). • Propose adequate strategies and solutions in response to the identified challenges and dilemmas in management processes. • Critically evaluate the impact of environmental variability on the effectiveness and efficiency of management processes and adapt their approach accordingly. 	[SW4] test/exam - oral or written
Subject contents	Lecture and Class Content 1. Introduction to Knowledge Management in Projects in the AI Era: This section covers the definitions and significance of knowledge management within organizations and projects. 2. Evolution of Knowledge Management: We'll explore the shift from traditional methods to the challenges and opportunities presented by the artificial intelligence era, including an in-depth look at the knowledge management process. 3. Challenges of Knowledge Management in a dynamic project environment. 4. The Role of Knowledge as a strategic resource in innovative projects. 5. Artificial Intelligence as a Tool for Knowledge Management in Projects: This part provides an overview of key AI technologies and their application. 6. Opportunities for AI Utilization in identifying, acquiring, and organizing project knowledge. 7. Building an Organizational Culture conducive to knowledge sharing in projects during the AI era. 8. Factors Influencing Knowledge Sharing among project team members. 9. Using AI Tools to Support Communication and Knowledge Exchange: This includes examining collaboration platforms, as well as methods and tools for acquiring and structuring project knowledge with AI. 10. Integrating Knowledge Management with AI-Supported Project Management Areas.		
Prerequisites and co-requisites	Students are required to attend both lectures and tutorials. Attendance at tutorials is mandatory. A basic understanding of organizational and management theory is necessary. Additionally, completion of the introductory "Management" course is a prerequisite.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final assessment grade	51.0%	50.0%
	Grades from coursework	51.0%	20.0%
	Grades from written colloquiums	51.0%	30.0%

Recommended reading	Basic literature	<p>Here are the English translations of the references:</p> <ol style="list-style-type: none"> 1. Digital Transformation: Challenges and Opportunities for Polish Enterprises, collective work edited by Dariusz Fila, 2021. 2. Szpitter, A.A. (2013). <i>Knowledge Management in Innovation Creation: A Project Maturity Model for Organizations</i>. Wyd. UG, Sopot. 3. Dalkir, K. (2022). <i>Knowledge Management in Theory and Practice</i>.
	Supplementary literature	<p>Here are the English translations of the references:</p> <ol style="list-style-type: none"> 1. Raghuraman, R. (2020). <i>AI-Powered Enterprise: How to Automate B2B Processes Using Cognitive Technologies</i>. 2. Barnes, S. <i>Designing a Successful KM Strategy: A Guide for the Knowledge Management Professional</i>. 3. Nonaka, I., & Takeuchi, H. (2019). <i>The Knowledge-Creating Company: How Japanese Companies Create the Dynamics of Innovation</i>.
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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