



## Subject card

Subject name and code	Knowledge management, PG_00045362						
Field of study	Data Engineering						
Date of commencement of studies	October 2023	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	2	Language of instruction			Polish English		
Semester of study	3	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Franciszek Kutrzeba				
	Teachers		dr Franciszek Kutrzeba				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	15.0	0.0	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		3.0		42.0	75
Subject objectives	1. The understanding of the knowledge management process essence for organizations.2. The presentation of the current theoretical knowledge of the field.3. The presentation of key challenges related to knowledge management and best-known practices.4. The open-mind attitude creation towards a wide range of standard and non-standard sources of knowledge with an emphasis on the ability to identify knowledge sources, knowledge transfer and knowledge usage.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_W10] has advanced knowledge of entities functioning in economy and relations existing between them.n knows general principles of creating and developing individual entrepreneurship using knowledge from the area of science and scientific disciplines relevant to their field of study		Students are familiar with the current theory of the field.The student is able to identify the internal and the external knowledge sources. The student understands their meaning.		[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
	[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 knowledge management process essence for organizations.		[SK5] Assessment of ability to solve problems that arise in practice		
	[K6_U07] can describe and interpret fundamental economic concepts and phenomena.		The student is able to solve problems faced by contemporary organizations based on internal and external sources of knowledge.		[SU5] Assessment of ability to present the results of task [SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information [SU1] Assessment of task fulfilment		

Subject contents	1. Knowledge 2. Knowledge Management; History and Contemporary 3. Knowledge Creation 4. Tacit Knowledge & Innovation 5. Knowledge Workers 6. Knowledge Risks 7. Knowledge Culture 8. Knowledge & Intellectual Capital 9. Knowledge & Change Management 10. Learning Organizations 11. Learning/Unlearning 12. Learning from errors 13. Unconscious mind 14. Management and Artificial Intelligence 15. Knowledge Management: summary		
Prerequisites and co-requisites	Essentials of Management.  Essentials of Marketing.  Essentials of Economics.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Exam	51.0%	50.0%
	Exercises	51.0%	50.0%
Recommended reading	Basic literature	Massingham. P. (2016), Knowledge Management, Sage.  Nonaka, I., & Takeuchi, H. (1995), The Knowledge-Creating Company, Oxford University Press.  Brynjolfsson & McAfee (2014) The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies	
	Supplementary literature	Bedford, D, Kucharska, W. (2020) Relating Information Culture to Information Policies and management Strategies, IGI Global.  Milton, T., & Young, N. (2011), Knowledge Mangement for Sales and Marketing, Chandos Publishing  Morabito, J. et al. (2015), Designing Knowledge Organizations, Wiley.  Erickson, S., & Rothberg, H.N. (2008), From Knowledge to Intelligence, Elsevier.	
	eResources addresses	Adresy na platformie eNauczanie: Knowledge Management (F. Kutrzeba) 2024/25 - Moodle ID: 40470 <a href="https://enauzanie.pg.edu.pl/moodle/course/view.php?id=40470">https://enauzanie.pg.edu.pl/moodle/course/view.php?id=40470</a>	
Example issues/ example questions/ tasks being completed	1. What threats and opportunities do you see for broadly understood artificial intelligence in creating knowledge in organizations? 2. Propose an improvement to the SECI model (Nonaka & Takeuchi, 1995). Is there anything that the model excludes in the processes of creating and transferring knowledge? 3. Select three advantages and disadvantages of formal knowledge transfer over informal communication in an organization. 4. How does organizational culture affect the effectiveness of knowledge management processes? How can a culture that supports knowledge sharing be developed in an organization?		
Work placement	Not applicable		

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