



Subject card

Subject name and code	IT TECHNOLOGIES IN TEAM MANAGEMENT, PG_00061618						
Field of study	Management, Management						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
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	1	Language of instruction			Polish		
Semester of study	2	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. Kamil Brodnicki					
	Teachers	dr inż. Kamil Brodnicki					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	8.0	0.0	16.0	0.0	0.0	24
	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	24		5.0		46.0	75
Subject objectives	Identifies problems related to team management, using modern knowledge in the field of IT applications to solve them						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K7_U03] formulates research problems and selects appropriate research methods for their effective solution, using advanced IT tools, and evaluates the obtained results critically		solves problems using advanced IT tools, making a critical assessment of the results obtained		[SU4] Assessment of ability to use methods and tools		
	[K7_W03] demonstrates in-depth preparation in the application of management methods and techniques for formulating and solving management problems		correctly identifies team management problems, choosing appropriate ways to solve them effectively		[SW1] Assessment of factual knowledge		
Subject contents	IT project (IT project environment, characteristic features of IT projects, IT teams) IT system life cycle Process and team management in an agile environment Business process modeling Software development process models CASE tools supporting selected software development phases						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Exam		60.0%		50.0%		
	Laboratory		60.0%		50.0%		

Recommended reading	Basic literature	<p>Bal-Woźniak T., Kmiotek K., Piecuch T.: Technologie kierowania zespołami ludzkimi (2022) Rzeszów, Oficyna Wydawnicza Politechniki Rzeszowskiej</p> <p>Smolarek M.: Technologie informatyczne w zarządzaniu kapitałem ludzkim w organizacji (2016) Katowice, Wydawnictwo Uniwersytetu Ekonomicznego w Katowicach</p> <p>Kiełtyka L. (red): Wykorzystanie technik informacyjnych w zarządzaniu (2023) Częstochowa, Wydawnictwo Politechniki Częstochowskiej</p> <p>Drejewicz Sz.: Zrozumieć BPMN. Modelowanie procesów biznesowych. Wydanie 2 rozszerzone (2017) Helion</p> <p>Kaczor K.: SCRUM i nie tylko. Teoria i praktyka w metodach Agile (2017) PWN</p>
	Supplementary literature	-
	eResources addresses	<p>Adresy na platformie eNauczenie:</p> <p>Technologie informatyczne w zarządzaniu zespołami NST 2025 - Moodle ID: 44694</p> <p>https://enauczenie.pg.edu.pl/moodle/course/view.php?id=44694</p>
Example issues/ example questions/ tasks being completed	<p>Main models of the life cycle of information systems</p> <p>Main principles of BPMN modeling</p> <p>Methods of ensuring the quality of an IT product</p>	
Work placement	Not applicable	

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