



Subject card

Subject name and code	Enterprise IT resource management, PG_00072185						
Field of study	Engineering Management						
Date of commencement of studies	October 2023	Academic year of realisation of subject				2026/2027	
Education level	first-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	4	Language of instruction				Polish	
Semester of study	7	ECTS credits				3.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Department of Informatics In Management -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Magdalena Ciesielska					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	8.0	0.0	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	to prepare students to make decisions regarding the management of IT resources within an organization, based on their knowledge of IT resource management concepts and methods, and to foster attitudes related to critical and analytical thinking as well as creative and entrepreneurial action in the context of organizational operations.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W04] demonstrates creative and entrepreneurial activity in formulating and implementing innovative ideas	knows and understands the principles of a creative and entrepreneurial approach to IT resource management in the context of designing and implementing innovative solutions within an organization			[SW1] Assessment of factual knowledge		
	[K6_K03] demonstrates the ability to think critically and analytically and integrates knowledge from many disciplines in order to make effective decisions	is prepared to engage in critical and analytical thinking and to integrate knowledge in the fields of management and IT, particularly through case studies and participation in problem-based assignments conducted in IT resource management courses			[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness		
Subject contents	Course content – lecture Resource Theory, IT Assets, IT Asset Management (ITAM), IT Asset Lifecycle, Configuration Management, IT Services: Definition and Structure, Service Level Agreement, IT Service Management (ITSM), ITSM Management Framework, Selected IT Service Management Processes, Software and Its Types, Licensing, Challenges of the BYOD Approach in the Enterprise, Cloud Resource Management, IT Audit, IT Outsourcing, Financial Analysis of IT Investments (CAPEX/OPEX)						
	Course content – exercises IT Asset Identification, Configuration Management, IT Servicesstructure, types, quality metrics, SLAs. IT Service Management, Incident Management, Financial AnalysisCAPEX/OPEX, TCO						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	test	60.0%			50.0%		
	case study	60.0%			50.0%		

Recommended reading	Basic literature	Ciesielska M., Musiatowicz-Podbiał G., Zarys problematyki zarządzania zasobami informatycznymi w przedsiębiorstwie, Wydawnictwo Politechniki Gdańskiej, Gdańsk, 2021
	Supplementary literature	Barney J.B., Clark D.N. (2007), Resource-based Theory. Creating and Sustaining Competitive Advantage, Oxford University Press, New York Stanisław Wrycza (red.) Informatyka ekonomiczna; PWE Warszawa 2010 Arkadiusz Januszewski; Funkcjonalność Informatycznych systemów zarządzania - Zintegrowane systemy transakcyjne; PWN Warszawa 2008 Jerzy Kisielnicki, Zarządzanie i Informatyka" Placet 2014 Kenneth C. Laudon and Jane Price Laudon, Management Information Systems. Managing the Digital Firm, 12th Edition, Pearson Education Ltd. 2014 M. Pańkowska, Zarządzanie zasobami informatycznymi. Difin. Warszawa 200
	eResources addresses	Basic https://sklep.pg.edu.pl/pl/wydawnictwo-pg/497-ciesielska-m-musiatowicz-podbial-g-zarys-problematyki-zarzadzania-zasobami-informatycznymi-w-przedsiębiorstwie.html - This monograph provides a concise overview of the fundamental concepts in the field of IT resource management, which can be utilized by both the academic and business communities to—respectively—identify areas for further scientific exploration and address the challenges, problems, and questions that arise in the real world of business.
Example issues/ example questions/ tasks being completed	Identify configuration items and the relationships between them. Calculate CAPEX/OPEX and TCO for investments in IT resources. Define the stakeholders in the incident management process. Specify IT service quality metrics for selected business and support services.	
Practical activities within the subject	Not applicable	

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