



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 (on-line)	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_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 carried out in IT resource management courses			[SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness		
	[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		

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 IT resource Management, IT Audit, IT Outsourcing, Financial Analysis of IT Investments (CAPEX/OPEX)		
Prerequisites and co-requisites	Course content – exercises		
	IT Asset Identification, Configuration Management, IT Services structure, types, quality metrics, SLAs. IT Service Management, Incident Management, Financial Analysis CAPEX/OPEX, TCO, Cloud Asset Management		
Assessment methods and criteria	none		
	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 2001	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Identify configuration elements 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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