GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Management of IT Resources in the Enterprise, PG_00044763		
Field of study	Engineering Management		
Date of commencement of studies	October 2020	Academic year of realisation of subject	2021/2022
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	Part-time studies	Mode of delivery	blended-learning
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	4.0
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. Magdalena Ciesielska	
	Teachers	dr inż. Magdalena Ciesielska	

Lesson types and methods of instruction

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	8.0	0.0	8.0	0.0	0.0	16

E-learning hours included: 8.0

ZZIT NS 2021/22 - Moodle ID: 16681
https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16681

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	16	8.0	76.0	100

Subject objectives

The aim of the course is for the student to gain knowledge of IT resource management in a modern enterprise. The student will gain knowledge about: IT strategy, business-IT alignment, information and IT systems, modern technologies and their use in the enterprise. The course also includes the basic knowledge of corporate architecture, IT competence management, infrastructure management, IT service management, outsourcing and IT audit.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W12] has a basic knowledge of production management and occupational safety and ergonomics management, as well as information technologies necessary for engineering management		[SW2] Assessment of knowledge contained in presentation [SW3] Assessment of knowledge contained in written work and projects
[K6_U09] obtains data for analysis and interpretation of results using information technology		[SU1] Assessment of task fulfilment
[K6_U12] can design the process of exploitation of production and IT infrastructure with the use of appropriate methods, techniques and tools		[SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task

Subject contents

IT strategies. Emerging technologies in organizations. Enterprise Architecture. Asset management. Service management. IT audit. IT Outsourcing.

Prerequisites and co-requisites

none

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Laboratory	60.0%	50.0%
Lecture	60.0%	50.0%

Recommended reading	Basic literature	• M. Pańkowska, Zarządzanie zasobami informatycznymi. Difin. Warszawa 2001. • 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. Creatingand Sustaining Competitive Advantage, Oxford University Press,New York. Obłój K. (1998), Strategia organizacji, PWE, Warszawa. Teece D., Pisano G., Shuen A. (1997), Dynamic Capabilities andStrategic Management, Strategic Management Journal, Vol. 18,No. 7. Hilty, L.M., 2008, Information Technology and Sustainability.Essays on the Relationship between ICT and SustainableDevelopment, Books on Demand, Norderstedt. Bharadwaj, Anandhi S. "A Resource-Based Perspective onInformation Technology Capability and Firm Performance: AnEmpirical Investigation." MIS Quarterly 24, no. 1 (2000): 169-96. J. Peppard, J. Ward, Beyond strategic information systems:towards an IS capability, The Journal of Strategic InformationSystems, 2004, vol. 13, no 2. Ravichandran, T. and Lertwongsatien, C. 2005. Effect ofinformation systems resources and capabilities on firmperformance: a resource-based perspective. Journal ofManagement Information Systems, 21(4): 237276. Feeny, D. F. and Willcocks, L. P. 1998. Re-designing the ISfunction around core capabilities. Long Range Planning,31(3): 354367. Brown, D. H. and Lockett, N. 2004. Potential of critical eapplicationsfor engaging SMEs in e-business: a providerperspective. EJIS, 13(1): 2134. Luftman J.N., Assessing businessIT alignment maturity,Communications of the Association of Information Systems 4 (14),2000, pp. 150. J. C. Henderson and N. Venkatraman, Strategicalignment :Leveraging information technology for transformingorganizations,IBM Syst. J., vol. 32, no. 1, pp. 472484, 1993. Chen, D., Mocker, M., Preston D., Teubner A., InformationSystems Strategy: Reconceptualization, Measurement, andImplications, MIS Quarterly, vol.34, No 2, pp 233-259, June 2010 pod red. Stanisław Wrycza; Informatyka ekonomiczna; PWEWarszawa 2010 Arkadiusz Januszewski; Funkcjonalność Informatycznychsystemów zarządzania - Zintegrowane systemy transakcyjne;PWN W-wa 2008 Jerzy Kisielnicki, Zarządzanie i Informatyka" Placet 2014 Kenneth C. Laudon and Jane Price Laudon, ManagementInformation Systems. Managing the Digital Firm, 12th Edition,Pearson Education Ltd. 2014.
	eResources addresses	
Example issues/ example questions/ tasks being completed	assign correct IT strategy model. Identify SLA parameters. Choose the correct business model fo IT service delivery: Saas, IaaS, PaaS.	
Work placement	Not applicable	