



Subject card

Subject name and code	DIGITAL INFRASTRUCTURE MANAGEMENT, PG_00053189						
Field of study	Economic Analytics						
Date of commencement of studies	October 2022	Academic year of realisation of subject				2023/2024	
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	2	Language of instruction				Polish	
Semester of study	3	ECTS credits				3.0	
Learning profile	general academic profile	Assessment form				assessment	
Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics						
Name and surname of lecturer (lecturers)	Subject supervisor						
	Teachers						
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: 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	16		6.0		53.0	75
Subject objectives	The aim of the course is to get students acquainted with the IT infrastructure of an enterprises, means of modeling this infrastructure, IT infrastructure management methods and tools supporting this management						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_K01] understands the need for continuous learning and, in particular, for advanced and modern tools for data analysis	Student understands a need of acquiring a knowledge on tools supporting IT infrastructure management in areas such as: helpdesk function, asset and configuration management, request management, incident management, problem and known error management, change management			[SK5] Assessment of ability to solve problems that arise in practice		
	[K7_U03] can identify and analyse the causes and course of specific economic processes and phenomena as well as propose solutions based on them	Student can analyze company's IT infrastructure, model it and suggest new solutions in the maintenance management area			[SU4] Assessment of ability to use methods and tools		
	[K7_K03] can assess the validity of criteria and tasks in the projects implemented						
	[K7_W15] has an in-depth knowledge of the processes taking place in the company and the risks associated with it	Student has an in-depth knowledge on IT infrastructure management including ITIL best practices			[SW3] Assessment of knowledge contained in written work and projects		

Subject contents	<ul style="list-style-type: none"> • What is and IT infrastructure and what are its components? • How to model IT infrastructure? • What IT infrastructure enables a company? • What are the IT infrastructure ownership models in companies? • How to maintain and IT infrastructure? • How to support IT infrastructure management? • Does a BYOD influence TCO and SLA influence MTBF? • How does DPO, SA and CIO relate to each other? • Where to find up-to-date ITSM information? 		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	team project report	60.0%	100.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> • David Cannon, <i>ITIL Service Strategy</i>, The Stationary Office, London 2011 • Lou Hunnebeck, <i>ITIL Service Design</i>, The Stationary Office, London 2011 • Stuart Rance, <i>ITIL Service Transition</i>, The Stationary Office, London 2011 • Randy Steinberg, <i>ITIL Service Operations</i>, The Stationary Office, London 2011 • Vernon Lloyd, <i>ITIL Continual Service Improvement</i>, The Stationary Office, London 2011 	
	Supplementary literature	<ul style="list-style-type: none"> • Barzan Antal, <i>IT Inventory and Resource Management with OCS Inventory NG 1.02</i>, Packt Publishing 2010 	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • Identifying IT infrastructure • IT infrastructure modelling • Asset and configuration management • Helpdesk function • Incident management • Problem management • Change management 		
Work placement	Not applicable		