

Subject card

Subject name and code	Networks Management, PG 00047957							
Field of study	Informatics							
Date of commencement of studies	October 2024		Academic year of realisation of subject			2027/2028		
Education level	first-cycle studies		Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery			at the university		
Year of study	4		Language of instruction			Polish		
Semester of study	7		ECTS credits		2.0			
Learning profile	general academic profile		Assessment form		assessment			
Conducting unit	Department of Computer Communications -> Faculty of Electronics, Telecommunications and Informatics							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Gierłowski					
	Teachers		dr inż. Tomasz Gierszewski					
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	15.0	5.0 0.0		30
	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	30		2.0		18.0		50
Subject objectives	The purpose of the course is to introduce theoretical knowledge and practical skills related to computer network management. Both management theory (network management models) / protocols, and specific tools, solutions and systems are covered by lecture and practical project.							

Data wygenerowania: 22.11.2024 00:18 Strona 1 z 3

Learning outcomes	Course outcome	Subject outcome	Method of verification				
	[K6_U07] can apply methods of	Student is capable of tasks related	[SU1] Assessment of task				
	process and function support, specific to the field of study	to network and service management and monitoring.	fulfilment				
	[K6_W44] knows and understands, to an advanced extent, architecture, design principles and methods of hardware and software support for local and distributed information systems, including computing systems, databases, computer networks and information applications, as well as the principles of human-computer interaction, the operation and evaluation criteria of data processing, storage and transfer methods, including computational algorithms, artificial intelligence and data mining as well as standards and methods of IT systems administration, monitoring of processes and robustness to undesirable phenomena and activities	Student knows different network management solutions and is capable of choosing them according to network environment properties.	[SW1] Assessment of factual knowledge				
	[K6_W03] knows and understands, to an advanced extent, the construction and operating principles of components and systems related to the field of study, including theories, methods and complex relationships between them and selected specific issues - appropriate for the curriculum	Student knows and applies complex network management and maintainance solutions.	[SW1] Assessment of factual knowledge				
	[K6_U09] can carry out a critical analysis of the functioning of existing technical solutions and assess these solutions, as well as apply experience related to the maintenance of technical systems, devices and facilities typical for the field of studies, gained in the professional engineering environment	Student is capable of configuring and maintainig a computer network.	[SU1] Assessment of task fulfilment				
Subject contents	The any of making it manner and						
	Theory of network management network management models, classes of IP systems. Management methods types, architectures,						
	• protocols.						
	Problems, methods, use-cases, tools and proteins.						
	tools and systems. Wireless network management						
	 architectures, characteristics, enterprise systems, 3GPP systems. 						
Prerequisites and co-requisites	Basic familiarity with computer netwo	ork and IP network operation.					
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade				
and criteria	Project	50.0%	50.0%				
	Written exam	50.0%					
Recommended reading	Basic literature	W. Stallings: "Protokoły SNMP i RMON", Helion, Gliwice 2003					
	Supplementary literature	No requirements Adresy na platformie eNauczanie:					
eResources addresses		Adresy na platformie eNauczanie:					

Example issues/ example questions/ tasks being completed	
Work placement	Not applicable

Document generated electronically. Does not require a seal or signature.