



## Subject card

Subject name and code	Corporate Networks, PG_00047899						
Field of study	Informatics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2028/2029		
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	3	Language of instruction			Polish		
Semester of study	6	ECTS credits			3.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Computer Communications -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Wojciech Gumiński					
	Teachers	dr inż. Wojciech Gumiński					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	15.0	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	5.0		40.0		75
Subject objectives	The objective of the course is to familiarize students with the principles of design, building and maintaining corporate networks.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W04] knows and understands, to an advanced extent, the principles, methods and techniques of programming and the principles of computer software development or programming devices or controllers using microprocessors or programmable elements or systems specific to the field of study, and organisation of systems using computers or such devices	Student distinguishes between LAN cabling standards. Student makes plan of names and addresses of devices. Student uses tools to monitoring the computer networks.			[SW2] Assessment of knowledge contained in presentation [SW1] Assessment of factual knowledge		
Subject contents	Course content – lecture Types of corporate networks. Opportunities for small, medium and big enterprises. Design of corporate networks. Hierarchical model of logical architecture of corporate networks. Virtual private networks. Corporate IP Telephony. Electronic data interchange. Tele and video conferencing. Remote training. Security issues. Customer relationships management. Groupware and Workflow. Enterprise applications integration. Evolution of cocepts of corporate networks.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	project	50.0%			60.0%		
	Written exam	50.0%			40.0%		
Recommended reading	Basic literature	Lecture notes					

	Supplementary literature	<p>Oppenheimer P.: Projektowanie sieci metodą Top-Down, Mikom, Warszawa 2007 r.</p> <p>Serafin M: Sieci VPN. Zdalna praca i bezpieczeństwo danych, Helion, Gliwice 2008 r.</p> <p>Tanenbaum A. S.: Sieci komputerowe (wyd. 4) , Helion, Gliwice 2004 r.</p> <p>Pr. Zbiorowa: Vademecum Teleinformatyka, tom II, IDG, Warszawa 2002 r.</p> <p>Pr. Zbiorowa: Vademecum Teleinformatyka, tom III, IDG, Warszawa 2004 r.</p> <p>Wajda K. (red.): Wybrane zagadnienia budowy i eksploatacji sieci korporacyjnych, Wydawnictwo Fundacji Postępu Telekomunikacji, Kraków 1999 r.</p>
Example issues/ example questions/ tasks being completed	eResources addresses	
Practical activities within the subject	Not applicable	

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