

## 。 GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

Subject name and code	Basics of Teletraffic Engineering, PG_00048120							
Field of study	Electronics and Telecommunications							
Date of commencement of studies	October 2025		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	3		Language of instruction			Polish		
Semester of study	5		ECTS credits			2.0		
Learning profile	general academic profile		Assessment form			assessment		
Conducting unit	Department Of Telein Wydziały Politechniki	orks -> Faculty Of Electronics Telecommunications And Informatics ->						
Name and surname of lecturer (lecturers)	Subject supervisor dr hab. inż. Sylwester Kaczmarek							
	Teachers dr hab. inż. Sylwester Kaczmarek							
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project		Seminar	SUM
	Number of study hours	15.0	15.0	0.0	0.0		0.0	30
	E-learning hours inclu	ided: 0.0						
Learning activity and number of study hours	Learning activity	Participation in classes includ plan	n didactic ed in study	Participation in consultation h	n Iours	Self-study		SUM
	Number of study hours	30		2.0		18.0		50
Subject objectives	Obtain knowledge and skills to use IRT to design telecommunications network resources with a guarantee of service quality.							
Learning outcomes	Course outcome Subject outcome Method of verification					rification		
Subject contents	<ul> <li>PRACTICE: Calculation of request stream parameters. Calculation of service stream parameters. Solving the equation of the state of statistical equilibrium. Calculation of resources of traffic flow matrix. Calculation of resources on the connection path for a given GoS. Dimensioning the network traffic flow matrix. Calculation of resources of the network traffic flow matrix. Calculation of resources of the network traffic flow matrix. Calculation of end-to-end traffic for the state of statistical equilibrium.</li> </ul>							
Prerequisites and co-requisites	No requirements							
Assessment methods and criteria	Subject passin	g criteria	Pass	ing threshold		Pero	centage of the	e final grade
	Midterm test		50.0%		50.0%			
	Analytical task		50.0%			50.0%		

Recommended reading	Basic literature	Materials prepared by the lecturer available in electronic form in PDF files and in the form of a photocopy (on request).				
	Supplementary literature	No requirements				
	eResources addresses	Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed						
Work placement	Not applicable					

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