

SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

Subject card

Subject name and code	Internet Technology in Infosystems, PG_00047505								
Field of study	Electronics and Telecommunications								
Date of commencement of studies	October 2023		Academic year of realisation of subject			2024/2025			
Education level	second-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	2		Language of instruction			English			
Semester of study	3		ECTS credits			1.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Metrology and Optoelectronics -> Faculty of Electronics, Telecommunications and Informati						and Informatics		
Name and surname	Subject supervisor		dr inż. Arkadiusz Szewczyk						
of lecturer (lecturers)	Teachers		dr inż. Arkadi	usz Szewczyk					
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	0.0		0.0	15	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation i classes incluc plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	15		2.0		8.0		25	
	infosystem. Familiarize students with languages and tools for creating websites. Familiarize students with transmission and application protocols.								
Learning outcomes	Course outcome		Subject outcome			Method of verification			
	[K7_W03] Knows and understands, to an increased 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.		knows and understands in greater depth the principles of using communication and application protocols as well as components of websites and internet applications			[SW1] Assessment of factual knowledge			
	[K7_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 knows the principles of programming of web applications and pages. Student knows internet protocols and technologies and their applications.			[SW1] Assessment of factual knowledge [SW2] Assessment of knowledge contained in presentation			

Subject contents	1. Itroduction to the lecture 2. Architecture of infosystems using Internet network 3. Application of internet technology in infosystems 4. Designing of static WWW documents aimed at measurement visualiza-tion using HTML 5. Designing of dynamic WWW documents aimed at measurement visu-alization using JavaScript 6. Designing of WWW measurement applications using PHP 7. SQL database in measurement applications 8. ActiveX components designing for internet clients 9. Application of the SOCKET interface 10. Application of internet protocols: TCP, UDP 11. Application of internet protocols: FTP, HTTP 12. Application of internet protocols design for infosystems 14. Methodology of design of infosystems with using internet technology 15. Designing of infosystems with LabView software 16. Examples of infosystems based on internet technology part I 17. Examples of infosystems and III.							
Prerequisites and co-requisites	No requirements							
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade					
	Written exam	50.0%	100.0%					
Recommended reading	Basic literature Elizabeth Castro, "Po prostu HTML, XHTML i CSS", Helion 2008 Wiesław Tłaczała, "Środowisko LabVIEW w eksperymencie wspomaganym komputerowo", WN-T 2002							
	Supplementary literature No requirements							
	eResources addresses	Adresy na platformie eNauczanie:						
Example issues/ example questions/ tasks being completed								
Work placement	Not applicable							