

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Technological Platforms, PG_00058850								
Field of study	Informatics								
Date of commencement of studies	October 2025		Academic year of realisation of subject			2026/2027			
Education level	first-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	4		ECTS credits			5.0			
Learning profile	general academic profile		Assessment form			exam			
Conducting unit	Department of Softwa Wydziały Politechniki	t of Software Engineering -> Faculty of Electronics Telecommunications and Informatics -> olitechniki Gdańskiej						natics ->	
Name and surname	Subject supervisor		dr inż. Marcin Narloch						
of lecturer (lecturers)	Teachers	ו Narloch							
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM	
of instruction	Number of study hours	15.0	0.0	15.0	15.0		0.0	45	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	ctivity Participation in classes include plan		I didactic Participation in consultation hours		Self-study SUM			
	Number of study hours	45		8.0		72.0		125	
Subject objectives	Student gets familiar with simple .NET based applications and should be able to use most common mechanisms within them.								
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 gets familiar with C# language and actively uses basics of object-oriented design.			[SW1] Assessment of factual knowledge			
	[K6_U03] can design, according to required specifications, and make a simple device, facility, system or carry out a process, specific to the field of study, using suitable methods, techniques, tools and materials, following engineering standards and norms, applying technologies specific to the field of study and experience gained in the professional engineering environment		Ability to develop .NET-based applications.			[SU1] Assessment of task fulfilment			

Subject contents	.NET platform components Introduction to C# Collections ASP.NET - sessions and scritp languages ASP.NET page lifecycle ASP.NET controls Configuring web applications ASP.NET MVC - new approach to web developmet ADO.NET data access layer Processing XML documents in .NET Security in .NET						
Prerequisites and co-requisites	Student must posess basic knowledge of modern object - oriented languages (JAVA, C++), relational databases and understanding concepts of developing web pages. Additionaly, student is expected to have knowledge of SQL and HTML languages.						
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
	Laboratory	50.0%	33.0%				
	Exam	50.0%	34.0%				
	Project	50.0%	33.0%				
Recommended reading	Basic literature http://msdn.microsoft.com/pl-pl/ms348103.aspx						
	Supplementary literature	http://www.asp.net/get-started					
	eResources addresses	sources addresses					
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable	Not applicable					

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