



Subject card

Subject name and code	Technological Platforms, PG_00058850						
Field of study	Informatics						
Date of commencement of studies	October 2026	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	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 Software Engineering -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Marcin Narloch					
	Teachers	dr inż. Marcin Narloch					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	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	Participation in didactic classes included in study plan	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_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		
	[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		

Subject contents	<p>Course content – lecture</p> <p>.NET platform components Introduction to C# Collections ASP.NET - sessions and scrip 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</p>														
Prerequisites and co-requisites	<p>Student must possess basic knowledge of modern object - oriented languages (JAVA, C++), relational databases and understanding concepts of developing web pages. Additionally, student is expected to have knowledge of SQL and HTML languages.</p>														
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 607 786 636">Subject passing criteria</th> <th data-bbox="799 607 1139 636">Passing threshold</th> <th data-bbox="1152 607 1469 636">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 642 786 672">Project</td> <td data-bbox="799 642 1139 672">50.0%</td> <td data-bbox="1152 642 1469 672">33.0%</td> </tr> <tr> <td data-bbox="456 678 786 707">Exam</td> <td data-bbox="799 678 1139 707">50.0%</td> <td data-bbox="1152 678 1469 707">34.0%</td> </tr> <tr> <td data-bbox="456 714 786 743">Laboratory</td> <td data-bbox="799 714 1139 743">50.0%</td> <td data-bbox="1152 714 1469 743">33.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	Project	50.0%	33.0%	Exam	50.0%	34.0%	Laboratory	50.0%	33.0%		
Subject passing criteria	Passing threshold	Percentage of the final grade													
Project	50.0%	33.0%													
Exam	50.0%	34.0%													
Laboratory	50.0%	33.0%													
Recommended reading	<p>Basic literature</p> <p>Supplementary literature</p> <p>eResources addresses</p>	<p>http://msdn.microsoft.com/pl-pl/ms348103.aspx</p> <p>http://www.asp.net/get-started</p>													
Example issues/ example questions/ tasks being completed															
Practical activites within the subject	Not applicable														

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