GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	.NET Internet Services, PG_00047969						
Field of study	Informatics						
Date of commencement of studies	October 2021		Academic year of realisation of subject		2024/2025		
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	4		Language of instruction		Polish		
Semester of study	7		ECTS credits		5.0		
Learning profile	general academic profile		Assessment form		exam		
Conducting unit	Department of Computer Architecture -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Andrzej Sobecki				
	Teachers		dr inż. Andrzej Sobecki				

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	30.0	0.0	60
	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	60	5.0	60.0	125

Subject objectives	Acquiring knowledge and skills to practical development and use of web services in web applications in.NET technology

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U02] can perform tasks related to the field of study in an innovative way as well as solve complex and nontypical problems, applying knowledge of physics, in changing and not fully predictable conditions	Student can create the application using the .net core platform.	[SU1] Assessment of task fulfilment
	[K6_U01] can apply mathematical knowledge to formulate and solve complex and non-typical problems related to the field of study and perform tasks, in an innovative way, in not entirely predictable conditions, by:n- appropriate selection of sources and information obtained from them, assessment, critical analysis and synthesis of this information,n-selection and application of appropriate methods and toolsn	Student use mathematical knowledge while he solve the complex problem during create the system using the .net core platform	[SU1] Assessment of task fulfilment

Subject contents	• .NET programming • ASP.NET / MVC • MVVM • Entity Framework + LINQ • Windows Communication Foundation • Windows Presentation Foundation • Error handling in web-based applications • Multithreading and parallelism in web applications • Deploying and testing of web applications • Windows Phone applications

Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	50.0%	50.0%
	Exam	50.0%	50.0%

Recommended reading	Basic literature	Christian Nagel, Bill Evjen, Jay Glynn, Morgan SkinnerandKarli Watson: Professional C# 2005 with .NET 3.0, Wrox Press 2007 Andrew Troelsen: Pro C# 2010 and the .NET 4 Platform, Apress
	Supplementary literature	Christian Nagel, Bill Evjen, Jay Glynn, Morgan SkinnerandKarli Watson: Professional C# 2005 with .NET 3.0, Wrox Press 2007 Andrew Troelsen: Pro C# 2010 and the .NET 4 Platform, Apress
	eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	• The role of web-services in the architecture of web applications • Comparison of MVC and MVVM design patterns and their implementation frameworks for web applications • The ways of deploying and testing of web applications
Work placement	Not applicable