

SDAŃSK UNIVERSITY 的 OF TECHNOLOGY

Subject card

Subject name and code	.NET Internet Services, PG_00047969							
Field of study	Informatics							
Date of commencement of studies	October 2020		Academic year of realisation of subject			2023/2024		
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 Comp	e -> Faculty of Electronics, Telecommunications and Informatics						
Name and surname	Subject supervisor		dr inż. Andrzej Sobecki					
of lecturer (lecturers)	Teachers	dr inż. Andrzej Sobecki mgr inż. Marek Downar dr inż. Waldemar Korłub						
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	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 classes includ plan	I didactic Participation in consultation hours		in nours	Self-study SUM		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							cations in.NET
Learning outcomes	Course outcome		Subject outcome			Method of verification		
	[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		
	[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		
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			
	Exam	50.0%	50.0%			
	Project	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: 2023/2024 - Serwisy Internetowe .NET - Moodle ID: 27930 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=27930				
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					