



Subject card

Subject name and code	.NET Internet Services, PG_00047969						
Field of study	Informatics						
Date of commencement of studies	October 2023	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	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	<ul style="list-style-type: none">.NET programmingASP.NET / MVCMVVMEntity Framework + LINQWindows Communication FoundationWindows Presentation FoundationError handling in web-based applicationsMultithreading and parallelism in web applicationsDeploying and testing of web applicationsWindows 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 Skinner and Karli 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 Skinner and Karli 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 eNauczenie:	
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> • 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		