



## Subject card

Subject name and code	Programming of Internet Applications, PG_00044089						
Field of study	Electrical Engineering						
Date of commencement of studies	February 2024	Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Power Electronics and Electrical Machines -> Faculty of Electrical and Control Engineering						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. inż. Andrzej Wilk				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	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	30		5.0		15.0	50
Subject objectives	The main goal of the course is to learn of student the principles of hybrid and dynamic Internet application programming						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	K7_W01	The student has knowledge of numerical methods for solving electrical engineering problems			[SW3] Assessment of knowledge contained in written work and projects		
	K7_W02	The student has knowledge of electrical measurements			[SW2] Assessment of knowledge contained in presentation		
	K7_U03	Student is able to use information from databases			[SU4] Assessment of ability to use methods and tools		
K7_U02	Student is able to develop a web application for a passive RLC filter			[SU5] Assessment of ability to present the results of task			
Subject contents	The .NET Framework environment and its components. The basics of ASP.NET and dynamic server technologies. WEB forms and application structure. Principles of C# language as .NET language. ASP.NET event model (PostBack, View State and Control State) and code compilation. Introducing to the ASP.NET MVC design pattern for developing modern Web applications. Creating and programming Model classes, View classes, and Controller classes.						
Prerequisites and co-requisites	To know the HTML and C# language.						
Assessment methods and criteria	Subject passing criteria	Passing threshold			Percentage of the final grade		
	Semester/diploma dissertation	60.0%			60.0%		
	Midterm colloquium	60.0%			40.0%		
Recommended reading	Basic literature	1. Connolly Randy: ASP.NET 2.0, Projektowanie aplikacji internetowych. Helion, 2008.. 2. Sławomir Orłowski, Maciej Grabek: C#. Tworzenie aplikacji sieciowych. Gotowe rozwiązania. Helion, 2012.					
	Supplementary literature	Marcin Szeliga: Tablice informatyczne ASP.NET. Helion 2007.					
	eResources addresses	Adresy na platformie eNauczanie:					
Example issues/ example questions/ tasks being completed	What is the dynamic and hybrid Internet application?						
Work placement	Not applicable						