

Subject card

Cubicat name and cada	Language C/C++ PG 00053211								
Subject name and code Field of study	Language C/C++, PG_00053211								
•	Chemistry October 2021 Academi			yoor of		2024 "	2022		
Date of commencement of studies			Academic year of realisation of subject			2021/2022			
Education level	first-cycle studies		Subject group			Optional 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			3.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Electrochemistry, Corrosion and Materials Engineering -> Faculty of Chemistry						1		
Name and surname	Subject supervisor dr hab. inż. Artur Zieliński								
of lecturer (lecturers)	Teachers		dr hab. inż. Artur Zieliński						
			dr inż. Łukasz Gaweł						
	dr inż. Kacper Jurak								
Lesson types and methods	Lesson type	Lecture			Projec	t	Seminar	SUM	
of instruction	Number of study hours	study 15.0		15.0	0.0		0.0	30	
		E-learning hours included: 0.0					l		
Learning activity and number of study hours	Learning activity	g activity Participation in classes include plan		Participation in consultation hours		Self-st	udy	SUM	
	Number of study hours	30		5.0	.0			75	
Subject objectives	Getting acquainted with several modern programming languages.								
Learning outcomes	Course out	Subject outcome			Method of verification				
	[K6_K01] understands the need for lifelong learning, can inspire and organize the process of teaching other people		The student is able to translate the knowledge of the implementation of computer algorithms into the way of carrying out a task in a professional career.			[SK3] Assessment of ability to organize work			
	[K6_W05] knows and understands the chemical processes and algorithms of mathematical models which are necessary for the design of technological processes, knows chemical structure of contemporary materials and its relation to their properties, enabling the selection of the materials for sustainable development technology and material-efficient and energy-efficient methods		The student is able to make an algorithmization of the technological process.			[SW1] Assessment of factual knowledge			
[K6_U08] is capable carry out the experim necessary to confirm hypothesis and sees context, often beyond the analysed phenon		nent which is a given wider d-technical, of	programming implement the	anguage to		[SU5] Assessment of ability to present the results of task [SU4] Assessment of ability to use methods and tools			
Subject contents	Introduction, histor Pointers and arrays.5								
Prerequisites and co-requisites	General knowledge of computer science.								

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Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade			
and criteria	Laboratory	50.0%	50.0%			
	Lecture	50.0%	50.0%			
Recommended reading	Basic literature	B. W. Kernighan, D. M. Ritchie, Język C, programowanie, Helion, Gliwice, 2010.				
	Supplementary literature	The Internet				
	eResources addresses					
Example issues/ example questions/ tasks being completed	What are the disadvantages of compiled languages versus interpreted languages?How can I draw 16 real numbers with a C program?How can you implement a vector in C language?Describe the role and meaning of the main () function in a C program.					
Work placement	Not applicable					

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