

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Programming, PG_00064129							
Field of study	Electronics and Telecommunications, Informatics, Automatic Control, Cybernetics and Robotics							
Date of commencement of studies	October 2024		Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies		Subject group			Obligatory subject group in the field of study		
Mode of study	Full-time studies		Mode of delivery			at the university		
Year of study	1	Language of instruction			English			
Semester of study	1	ECTS credits			7.0			
Learning profile	general academic pro	ofile				assessment		
Conducting unit	Department of Algorit Informatics	artment of Algorithms and Systems Modelling -> Faculty of Electronics, Telecommunications and						ons and
Name and surname	Subject supervisor		dr Marcin Jurkiewicz					
of lecturer (lecturers)	Teachers	-	dr Marcin Jurkiewicz					
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	t	Seminar	SUM
of instruction	Number of study hours	30.0	0.0	30.0 20.0			0.0	80
	E-learning hours inclu							
Learning activity and number of study hours	Learning activity	Participation in classes includ plan			Self-study		SUM	
	Number of study hours	80	11.0			84.0		175
Subject objectives	The aim of the course Studio environment. Students should acqu programming in C/C+	Students should ire knowledge	d master C/C+·	+ instructions,	data res	ources,	, operators a	nd functions.
Learning outcomes	Course out	come	Subject outcome Method of verification				erification	
	[K7_W04] knows and understands, to an ir extent, the principles and techniques of pr and the principles of software developmen programming device controllers using mic or other elements or programmable devic the field of study, and of work of systems u computers or such d	ncreased , methods ogramming computer nt or s or roprocessors es specific to d organization sing	A student knows the basic rules of C/C++. [SW1] Assessment of factual knowledge			of factual		
	[K7_U04] can apply a programming method techniques as well as apply appropriate pro- methods and tools in software developmen programming device controllers using mic or programmable ele systems specific to the study, making asses critical analysis of the software as well as a and creative interpre- information presente	ds and s select and ogramming computer at or s or roprocessors ments or ne field of sment and e prepared a synthesis tation of	A student is able to use the given knowledge (from the lecture), basic techniques of C/C++ and software in Linux/Visual Studio to write and compile programs.		ols			

18. Structures.	xpressions. d conditional expression. hile), nested iterations. ed type. ull-terminated strings. ariables. ables. Side effect.	Subject contents		
Prerequisites No requirements and co-requisites			No requirements	
Assessment methods Subject passing criteria Passing threshold Percentage of the final gra	Passing threshold Percentage of the final grade		Subject passing criteria	Assessment methods
and criteria Laboratory: correctness, algorithms, structures, runtime and universality.		50.	Laboratory: correctness, algorithms, structures, runtime	and criteria
Project: correctness, algorithms, structures, runtime and universality. 50.0% 30.0%	% 30.0%	50.	structures, runtime and	
Exam 50.0% 40.0%	% 40.0%	50.	Exam	
Recommended reading Basic literature 1. KERNIGHAN, Brian W.; RITCHIE, Dennis M. The C programmer language, Prentice Hall, 2006	KERNIGHAN, Brian W.; RITCHIE, Dennis M. <i>The C programming language</i> , Prentice Hall, 2006	Basic literature	Recommended reading	
Supplementary literature 1. B. Stroustrup, The C++ Programming Language, Addison We Longman, 2000	B. Stroustrup, <i>The C++ Programming Languag</i> e, Addison Wesley Longman, 2000	1.	Supplementary literature	
eResources addresses Adresy na platformie eNauczanie: 2024 Programming ABC - Moodle ID: 41431 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=41431	Programming ABC - Moodle ID: 41431	202	eResources addresses	
Example issues/ example questions/ tasks being completed	?	ing coo	What is the result of the following	example questions/
int i;			int i;	
for(i=0;i<3;i++); cout << i; cout << i+1;		cout << i;		
a) 011223 b) 0124 c) 0123 d) 34 e) 124 f) 45	45	e) 124	a) 011223 b) 0124 c) 0123 d) 34 e)	
Work placement Not applicable			Not applicable	Work placement

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