

Subject card

Subject name and code	Programming languages, PG_00045303							
Field of study	Data Engineering							
Date of commencement of studies	October 2024		Academic year of realisation of subject			2025/2026		
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study 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	2		Language of instruction			English		
Semester of study	3		ECTS credits		2.0			
Learning profile	general academic profile		Assessmer	nt form		assessment		
Conducting unit	Department of Algorithms and Systems Modelling -> Faculty of Electronics, Telecommunications and Informatics							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Piotr Mironowicz					
	Teachers		dr inż. Piotr Mironowicz					
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		4.0		16.0		50
Subject objectives	The aim of the course is an introduction to popular programming paradigms and getting the skill of their practical implementations.							
Learning outcomes	Course outcome Subject outcome Method of verification					erification		

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ompilers.

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Prerequisites and co-requisites						
Assessment methods	Subject passing criteria	Passing threshold	Percentage of the final grade			
and criteria	tests	50.0%	40.0%			
	project	50.0%	60.0%			
Recommended reading	Basic literature	1. S. Mangano: XSLT receptury, wyd.2, Helion 2007				
		2. Cincom Smalltalk Downloads, http://www.cincomsmalltalk.com/				
		3. SAXON - The XSLT and XQuery Processor, http://saxon.sourceforge.net/				
		4. W.F. Clocksin, W.F., Mellish, C.S.: Prolog Programowanie. Helion 2003				
		5. Ada Programming, http://en.wikibooks.org/wiki/Ada				
		6. SWI-Prolog downloads, www.swi-prolog.org/download.html				
		7. ADA Core, the GNAT Pro Company, http://www.adacore.com/home, https://libre.adacore.com/				
		D. S. Touretzky: Common Lisp: A Gentle Introduction to Symbolic Computation,				
		http://www.cs.cmu.edu/~dst/LispBook/				
		9. Z. Huzar, Z. Fryźlewicz, I. Dubielewicz, B. Hnatk: Ada 95, Helion 1998				
		10. Polski serwis języka Smalltalk, http://www.objectspace.net/				
	Supplementary literature	http://en.wikipedia.org/wiki/Programming_paradigm				
	eResources addresses Adresy na platformie eNauczanie:		»:			
Example issues/ example questions/ tasks being completed						
Work placement	Not applicable					

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