

Subject card

Subject name and code	Programmer Environment, PG_00143812						
Field of study	Informatics						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
Education level	Bachelor's studies	Subject group			Obligatory subject group in the field of study		
Mode of study	part-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish Polish		
Semester of study	1	ECTS credits			2.0		
Learning profile	academic	Assessment form					
Conducting unit	Institute of Informatics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		mgr Michał Zakrzewski				
	Teachers		dr Maciej Dziemiańczuk mgr Michał Zakrzewski mgr Mateusz Miotk				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	10.0	0.0	0.0	10
	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	10		0.0		40.0	50
Subject objectives	Introducing students to the Linux environment and the basics of working with software project management systems.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[INFL3_U02] can precisely formulate questions to deepen one's understanding of a given topic or find missing elements of reasoning		Can formulate opinions and discuss the use of various programming tools		[SU1] oral statement/conversation/discussion		
	[INFL3_W04] has structured knowledge in the field of software engineering, software specifications, validation and verification, and tools supporting the software development process		Know the basic Bash shell commands, can use online manuals, and understand the principles of working with one of the software management systems.		[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion		
	[INFL3_W10] knows the basic principles of occupational health and safety in the IT profession		Know the basic tools that facilitate work organization for a programmer.		[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion		
	[INFL3_U06] is able to design, create, run and test programs using dedicated tools and adequate templates		Can use basic shell commands, write and run a simple script in Bash, and create and manage a repository.		[SU1] oral statement/conversation/discussion [SU4] test/exam - oral or written		
Subject contents	<ol style="list-style-type: none"> Basics of working in the UNIX system Managing a software project using Git Introduction to shell script programming 						
Prerequisites and co-requisites	Knowledge of basic computer operation.						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		Tests	50.0%
Recommended reading	Basic literature	A. Robbins, N. H. F. Beebe. Programowanie skryptów powłoki. Helion 2005	
	Supplementary literature	Not applicable	
	eResources addresses	Basic https://git-scm.com/book/en/v2 - Pro Git – professional version control https://git-scm.com/book/pl/v2 - Pro Git – professional version control (Polish translation)	
Example issues/ example questions/ tasks being completed	Not applicable		
Work placement	Not applicable		

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