

Subject card

Subject name and code	programming project, PG_00156254						
Field of study	Bioinformatics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's 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	2		Language of instruction		Polish		
Semester of study	4		ECTS credits		8.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Institute of Theoretical Physics and Astrophysics -> Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Waldemar Kłobus				
	Teachers		dr Adrian Kołodziejski				
			mgr Marcel Thiel				
			prof. dr hab. Cezary Czaplewski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	75.0	0.0	0.0	75
	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	75		0.0		125.0	200
Subject objectives	n						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[BIOINL3_U01] Graduate is able to program using modern programming tools, including tools dedicated to bioinformatics		n		[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task		
	[BIOINL3_K02] Graduates are ready to work in a team, especially the joint implementation of software projects		n		[SK1] oral statement/conversation/discussion		
	[BIOINL3_U04] Graduate effectively plans and organizes work independently or as part of a team		n		[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task		
	[BIOINL3_U05] Graduate has the ability to use scientific literature, including English-language sources on bioinformatics; has ability to use appropriate databases		n		[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU5] implementation of a problem task		
Subject contents	n						

Prerequisites and co-requisites	n		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	n	51.0%	10.0%
	n	51.0%	90.0%
Recommended reading	Basic literature	n	
	Supplementary literature	n	
	eResources addresses		
Example issues/ example questions/ tasks being completed	n		
Work placement	Not applicable		

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