

Subject card

Subject name and code	Quantum mechanics for bioinformatics, PG_00148513						
Field of study	Bioinformatics						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028	
Education level	Bachelor's studies		Subject group			Optional subject group	
Mode of study	full-time studies		Mode of delivery			at the university	
Year of study	3		Language of instruction			Polish	
Semester of study	5		ECTS credits			3.0	
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		prof. dr hab. Marcin Wieśniak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	30.0	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		0.0		0.0	30
Subject objectives	n						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[BIOINL3_U02] Graduate is able to apply knowledge of natural sciences and science to formulate, analyze and solve problems related to bioinformatics		n			[SU3] text preparation/written work [SU6] demonstration of practical skills	
	[BIOINL3_W02] Has the scientific knowledge necessary to understand the basic processes in living organisms.		n			[SW3] text preparation/written work	
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%			100.0%	
Recommended reading	Basic literature		n				
	Supplementary literature		n				
	eResources addresses						
Example issues/ example questions/ tasks being completed	n						
Work placement	Not applicable						