

Subject card

Subject name and code	copy, PG_00158148						
Field of study	Physics						
Date of commencement of studies	October 2024	Academic year of realisation of subject		2024/2025			
Education level	undergraduate 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		Polish not applicable			
Semester of study	1	ECTS credits		7.0			
Learning profile	academic	Assessment form					
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rektor						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Adam Rutkowski				
	Teachers		Kamil Nalikowski dr hab. Adam Rutkowski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	60.0	0.0	0.0	0.0	90
	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	90		0.0		90.0	180
Subject objectives	not applicable						
Learning outcomes	Course outcome	Subject outcome		Method of verification			
	[FIZL3_W04] knows the basic techniques of higher mathematics, including differential and integral calculus of functions of one and many variables, and the basics of algebra to the extent necessary to describe physical phenomena and solve physical problems	not applicable		[SW4] test/exam - oral or written [SW1] oral statement/conversation/discussion [SW3] text preparation/written work			
	[FIZL3_K02] can precisely formulate problems to deepen understanding of a given topic	not applicable		[SK1] oral statement/conversation/discussion [SK3] text preparation/written work [SK4] test/exam - oral or written			
	[FIZL3_U16] can independently plan and implement his own learning	not applicable		[SU1] oral statement/conversation/discussion [SU3] text preparation/written work [SU4] test/exam - oral or written			
	[FIZL3_K01] knows the limitations of his own knowledge and understands the need for further education	not applicable		[SK1] oral statement/conversation/discussion [SK3] text preparation/written work [SK4] test/exam - oral or written			
Subject contents	not applicable						
Prerequisites and co-requisites	not applicable						

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	not applicable	51.0%	50.0%
	not applicable	51.0%	45.0%
	not applicable	0.0%	5.0%
Recommended reading	Basic literature	not applicable	
	Supplementary literature	not applicable	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	not applicable		
Work placement	Not applicable		

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