

Subject card

Subject name and code	Electronics in Physics Experiment, PG_00154245						
Field of study	Physics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2024/2025		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
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	2		ECTS credits		3.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Krzysztof Dorywalski				
	Teachers		dr inż. Krzysztof Dorywalski				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	45.0	0.0	0.0	45
	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	45		0.0		45.0	90
Subject objectives	not applicable						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FIZMU2_W05] knows the theoretical foundations of computational methods and computer techniques used to model and simulate physical systems	not applicable	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[FIZMU2_U02] has the ability to plan and perform basic and advanced experiments or observations in specific areas of physics or its applications	not applicable	[SU2] presentation/project/paper/report [SU5] implementation of a problem task [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[FIZMU2_U03] is able to make a critical analysis of the results of measurements, observations or theoretical calculations, together with an assessment of the accuracy of the results	not applicable	[SU2] presentation/project/paper/report [SU5] implementation of a problem task [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
	[FIZMU2_W03] knows advanced experimental, observational and numerical techniques to plan and execute a complex physical experiment or computer simulation	not applicable	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[FIZMU2_W04] knows the principle of operation of measuring systems and research apparatus specific to the area of physics related to the chosen specialization or knows advanced methods of theoretical and mathematical physics	not applicable	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[FIZMU2_U05] has the ability to synthesize methods and ideas from different areas of physics and other sciences; is able to see that even distant phenomena are described by similar models	not applicable	[SU2] presentation/project/paper/report [SU5] implementation of a problem task [SU6] demonstration of practical skills [SU8] observation of student's independent or team work
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%	20.0%
	not applicable	0.0%	80.0%
Recommended reading	Basic literature	not applicable	
	Supplementary literature	not applicable	
	eResources addresses		
Example issues/ example questions/ tasks being completed	not applicable		
Work placement	Not applicable		

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