

Subject card

Subject name and code	Laboratory of Medical Applications of Physics, PG_00155857						
Field of study	Medical 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	
Semester of study	1		ECTS credits			5.0	
Learning profile	academic		Assessment form				
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Illia Serdiuk				
	Teachers		dr hab. Illia Serdiuk dr Michał Mońka dr Sławomir Werbowy				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	60.0	0.0	0.0	60
	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	60		0.0		65.0	125
Subject objectives	not applicable						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FIZMEDMU2_W03] knows advanced experimental, observational and numerical techniques allowing to plan and perform a complex physical experiment or computer simulation	not applicable	[SW2] presentation/project/paper/report
	[FIZMEDMU2_U07] can present research results (experimental, theoretical or numerical) in written, oral, multimedia presentation or poster form	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDMU2_K10] complies with work safety rules	not applicable	[SK2] presentation/project/paper/report
	[FIZMEDMU2_U06] is able to adapt the knowledge and methodology of physics as well as the experimental and theoretical methods used to related scientific disciplines	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDMU2_W07] knows the principles of occupational health and safety to the extent that allows for independent work in the area corresponding to the chosen specialization	not applicable	[SW2] presentation/project/paper/report
	[FIZMEDMU2_W04] knows the principles of operation of measurement systems and research equipment specific to the area of physics related to the selected specialization or knows advanced methods of theoretical and mathematical physics	not applicable	[SW2] presentation/project/paper/report
	[FIZMEDMU2_U09] can work independently and in a team	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDMU2_K03] can work individually and in a team; is aware of responsibility for jointly performed tasks	not applicable	[SK2] presentation/project/paper/report
	[FIZMEDMU2_K07] is aware of responsibility for jointly (team) research tasks	not applicable	[SK2] presentation/project/paper/report
	[FIZMEDMU2_U03] is able to critically analyze the results of measurements, observations or theoretical calculations, including assessing the accuracy of the results	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDMU2_U02] has the ability to plan and conduct basic and advanced experiments or observations in specific areas of physics or its applications	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDMU2_K02] is aware of the decisive role of experiment in the verification of physical theories; is aware of the existence of the scientific method in collecting knowledge	not applicable	[SK2] presentation/project/paper/report
	[FIZMEDMU2_U01] can apply the scientific method in solving physical problems, carrying out experiments and reasoning	not applicable	[SU2] presentation/project/paper/report
Subject contents	not applicable		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	not applicable	100.0%	20.0%
	not applicable	51.0%	80.0%
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

Document generated electronically. Does not require a seal or signature.