

Subject card

Subject name and code	Medical apparatus, PG_00154138						
Field of study	Medical Physics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
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	2		Language of instruction		Polish not applicable		
Semester of study	4		ECTS credits		5.0		
Learning profile	academic		Assessment form				
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rektor						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Michał Penkowski				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	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		90.0	150
Subject objectives	not applicable						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[FIZMEDL3_U19] has the ability to evaluate and interpret research within the competence of a medical physicist		not applicable		[SU4] test/exam - oral or written		
	[FIZMEDL3_U18] can operate radiological equipment		not applicable		[SU4] test/exam - oral or written		
	[FIZMEDL3_W31] has detailed knowledge of the construction and principles of operation of X-ray and diagnostic imaging equipment and other devices used in X-ray equipment, angiographs, ultrasound machines, computed tomography and nuclear magnetic resonance devices, principles of performing computed tomography and nuclear magnetic resonance examinations, conventional and Doppler ultrasound examinations, mammography		not applicable		[SW4] test/exam - oral or written		
	[FIZMEDL3_K01] knows the limitations of his own knowledge and understands the need for further education		not applicable		[SK4] test/exam - oral or written		
	[FIZMEDL3_W21] knows and understands the basics of medical equipment with particular emphasis on equipment used for imaging and radiotherapy		not applicable		[SW4] 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	31.0%	100.0%
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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