

Subject card

Subject name and code	Fundamentals of radiotherapy and quality control in radiotherapy, PG_00154151						
Field of study	Medical Physics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2026/2027		
Education level	Bachelor's 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	3		Language of instruction		Polish not applicable		
Semester of study	6		ECTS credits		5.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Joanna Kamińska				
	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_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_U15] can explain to the patient the course of the diagnostic examination and the rules of conduct after the examination, resulting from the principles of radiological protection of the environment	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDL3_U17] is able to prepare diagnostic and therapeutic procedures using ionizing and non-ionizing radiation in accordance with medical recommendations	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDL3_U18] can operate radiological equipment	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDL3_K01] knows the limitations of his own knowledge and understands the need for further education	not applicable	[SK2] presentation/project/paper/report
	[FIZMEDL3_W26] knows and understands the basics of oncology, radiotherapy and quality control in radiotherapy	not applicable	[SW4] test/exam - oral or written
	[FIZMEDL3_U19] has the ability to evaluate and interpret research within the competence of a medical physicist	not applicable	[SU2] presentation/project/paper/report
	[FIZMEDL3_U20] knows the principles of quality control of radiological equipment, the principles of organizing diagnostic laboratories and keeping their documentation	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	51.0%	50.0%
	not applicable	51.0%	50.0%
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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