

Subject card

Subject name and code	Medical Physics in Cardiology, PG_00179267						
Field of study	Medical Physics						
Date of commencement of studies	October 2023		Academic year of realisation of subject			2025/2026	
Education level	Bachelor'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	3		Language of instruction			Polish	
Semester of study	6		ECTS credits			1.0	
Learning profile	academic		Assessment form			credit	
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		Anna Glińska				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		0.0		0.0	15
Subject objectives	The aim of the course is to familiarize students with diagnostic imaging methods used in cardiology.						
Learning outcomes	Course outcome		Subject outcome			Method of verification	
	[FIZMEDL3_K01] knows the limitations of his own knowledge and understands the need for further education		The student is aware of the limitations of their own knowledge in the field of cardiac diagnostic imaging and understands the need for continued, systematic learning in this area.			[SK4] test/exam - oral or written	
	FIZMEDL3_W32		The student possesses extended knowledge of the physical methods used in cardiovascular diagnostic imaging, including the principles of electrocardiography, ultrasonography, computed tomography, magnetic resonance imaging, and nuclear imaging techniques applied in cardiology.			[SW4] test/exam - oral or written	
Subject contents	Introduction and historical background Electrocardiography Ultrasonography in cardiology Computed tomography in cardiology Magnetic resonance imaging in cardiology Isotopic (nuclear) methods in cardiology						
Prerequisites and co-requisites	brak						
Assessment methods and criteria	Subject passing criteria		Passing threshold			Percentage of the final grade	
	test		51.0%			100.0%	

Recommended reading	Basic literature	original teaching materials published on the UG portal and in the GUMed Extranet
	Supplementary literature	original teaching materials published on the UG portal and in the GUMed Extranet
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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