

Subject card

Subject name and code	Economics and Management in Healthcare, PG_00207541						
Field of study	Medical Physics						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study Humanistic-social subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		1.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		Ewa Bandurska				
	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		10.0	25
Subject objectives	The goal is to familiarize students with the principles of the healthcare system in Poland. It also aims to introduce students to the social insurance system and potential alternatives to the current Polish system. The goal is to facilitate students' understanding of basic concepts in management and economics as they relate to the functioning of the healthcare system and the specific nature of healthcare services from an economic perspective. The goal is to enable students to independently perform a general analysis of the healthcare system's economic situation, identify the main threats to medical service providers, and recognize opportunities for their development.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FIZMEDL3_W12] Knows and understands the fundamental dilemmas of modern civilisation in the context of medical physics development, particularly concerning healthcare, the financing of medical facilities, the organisation of the healthcare system, and the role of the medical physicist within this system.	The student knows: The principles of the healthcare system's operation. The principles of financing medical services. The role of social insurance.	[SW3] text preparation/written work
	[FIZMEDL3_K01] He is ready for a critical evaluation of his own knowledge and the information he receives, and understands the need for further education and for improving professional and personal competencies.	The student: Is prepared to critically evaluate their own knowledge of the organisation and financing of the healthcare system, and understands that this information is constantly changing. Demonstrates a responsible attitude by seeking out and verifying information on healthcare economics and management, so they can act consciously and reliably in their future professional environment.	[SK3] text preparation/written work
	[FIZMEDL3_W15] Knows the general principles for creating and developing individual enterprises that leverage knowledge of medical physics.	The student knows: Basic economic concepts. The principles of a market economy. The basic costs associated with the operation of healthcare units.	[SW3] text preparation/written work
	[FIZMEDL3_K06] He is ready to think and act in an entrepreneurial manner.	The student: Is prepared to think entrepreneurially, identifying economic opportunities and threats within the healthcare system. Is prepared to make responsible decisions, considering the economic stability of healthcare units.	[SK3] text preparation/written work
Subject contents	Organization of the healthcare system. Principles of financing independent healthcare units. The role and functions of social insurance.An alternative to the public social insurance system.Budgetary independence of diagnostic facilities and laboratories. Basic economic concepts and their application in daily practice. Healthcare in a market economy. Economization of diagnostic procedures.Operating costs of units within the healthcare system.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	credit	51.0%	100.0%
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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