University of Gdańsk

Subject card

Subject name and code	Economics and Management in Health Care, PG_00205384		
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_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
[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_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

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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