University of Gdańsk

Subject card

Subject name and code	Professional Practice, PG_00182178						
Field of study	Medical Physics						
Date of commencement of studies	October 2026		Academic year of realisation of subject	2028/2029			
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	6.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Anna Synak					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	120.0	0.0	0.0	120
	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	120		2.0	28.0	150	
Subject objectives	The aim of the professional internship is to prepare Medical Physics Students for their future profession by familiarizing them with the functioning of healthcare facilities and other institutions where the knowledge and competencies of a medical physicist are required. Students learn about the organizational structure of workplaces, applicable safety procedures, the principles of operating medical equipment, as well as the tasks and responsibilities of medical physicists. An important component of the internship is also gaining familiarity with the circulation and archiving of medical documentation. The internship develops the ability to work independently and in a team, to manage time effectively, to plan tasks and organize the workplace, as well as to take responsibility for assigned duties.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FIZMEDL3_K04] He is ready to responsibly perform professional roles by adhering to professional ethics, caring for the well-being of the patient, observing doctor-patient confidentiality and patient rights, and appreciating the importance of intellectual honesty in his own and others' actions.	The student understands and appreciates the importance of the legal aspects of conducting research and of intellectual integrity. The student is aware of the need to observe the principles of professional ethics.	[SK2] presentation/project/paper/ report
	[FIZMEDL3_K02] He is ready to constantly update his knowledge in physics and medical physics to solve cognitive and practical problems independently and to use the opinions and assistance of experts.	Student: -is ready to systematically update and deepen knowledge in the field of physics and medical physics, -is able to independently attempt to solve cognitive and practical problems encountered during the internship, -is able to make use of expert opinions and assistance, treating them as an important element of professional development.	[SK2] presentation/project/paper/ report
	[FIZMEDL3_K05] He is ready to care for the legacy and traditions of the medical physics profession by popularising knowledge.	Student: -is ready to respect and uphold the achievements and traditions of the medical physicist profession, -is ready to promote knowledge in the field of medical physics among patients, colleagues, and the wider community, -understands the importance of providing reliable information about the role of medical physicists and the use of medical equipment in diagnostics and therapy.	[SK2] presentation/project/paper/ report
	[FIZMEDL3_U11] Can present and evaluate different opinions and positions, discuss them and participate in debates.	Student: -presents their own opinions and positions on issues related to the profession of a medical physicist, - is able to evaluate and critically respond to viewpoints presented by others, - participates in discussions and team meetings, presenting arguments in a factual manner and in line with the principles of professional communication, -is able to take an active part in debates on the applications, problems, and challenges of medical physics, while respecting different perspectives.	[SU2] presentation/project/paper/ report
	[FIZMEDL3_K03] He is ready to initiate actions for the benefit of the social environment, stemming from an understanding of the practical and ethical aspects of his acquired knowledge and skills, as well as the responsibilities associated with them.	Student is aware of and understands the social aspects of the practical application of acquired knowledge and skills, as well as the responsibility that comes with them. The student understands the need for systematic education and skills development and is aware of the limitations of their own knowledge.	[SK2] presentation/project/paper/ report
	[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.	Student: - is ready to critically evaluate their own knowledge, -understands the need for continuous learning and for improving professional and personal competences in the context of the dynamic development of medical physics and medical technologies, -recognizes the necessity of lifelong learning and self-improvement as a condition for the effective and responsible practice of the medical physicist profession, -demonstrates openness to new solutions, constructive criticism, and collaboration with experts in order to broaden their skills.	[SK2] presentation/project/paper/ report

	Course outcome	Subject outcome	Method of verification
	[FIZMEDL3_U09] Can communicate effectively with colleagues and other employees, works in a team, including interdisciplinary teams, and manages his/her own and his/her colleagues' time appropriately.	Student: -is able to communicate effectively with colleagues, medical staff, and internship supervisors, both orally and in writing, -is able to work in a team, including an interdisciplinary one, contributing substantively and respecting the roles and tasks of others, -is able to organize and coordinate group activities during the performance of practical tasks, -is able to manage time effectively, both their own and that of colleagues, in order to complete assigned duties efficiently and on schedule.	[SU2] presentation/project/paper/ report

Subject contents	The internship is carried out in accordance with the specifics of the host institution. Example areas include: diagnostic imaging (X-ray diagnostics, radiodiagnostics, computed tomography, magnetic resonance imaging), radiotherapy, and procedures in nuclear medicine departments. Depending on the place of the internship, the scope of topics is determined in consultation with the employers internship supervisors and the university internship coordinator, in accordance with the *Student Internship Program for the Medical Physics major.* During the internship, students are expected, as far as possible, to actively participate in permitted tasks related to the specific nature of the workplace.
Prerequisites and co-requisites	Successful completion of the preparatory course for professional internship as well as occupational health and safety training.

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	not applicable	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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