

Subject card

Subject name and code	Diploma seminar 1, PG_00165909						
Field of study	Medical Physics						
Date of commencement of studies	October 2024		Academic year of realisation of subject		2025/2026		
Education level	postgraduate 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	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		3.0		
Learning profile	academic		Assessment form				
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rektor						
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	0.0	0.0	30.0	30
	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	30		0.0		60.0	90
Subject objectives	Improving the skills of preparing and presenting the results of one's own research and the results of scientific works of other authors concerning the subject matter related to the diploma thesis. Learning the legal conditions of using the intellectual achievements of others. Learning the synthetic presentation of knowledge from the entire scope of the studied subject matter; familiarization with the methods of popularizing knowledge in the field of medical physics.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[FIZMEDMU2_U12] can use English in the field of physics, mathematics and computer science, in accordance with the requirements specified for level B2+ of the Common European Framework of Reference for Languages, to the extent that allows for independent supplementation of education and communication with specialists in the same or related specialization	-	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[FIZMEDMU2_W08] has basic knowledge of legal and ethical conditions related to scientific and teaching activities	-	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[FIZMEDMU2_U04] can find necessary information in professional literature, both in databases and other sources; is able to reproduce the line of reasoning or the course of an experiment described in the literature, taking into account the assumptions and approximations made	-	[SU2] presentation/project/paper/report
	[FIZMEDMU2_U07] can present research results (experimental, theoretical or numerical) in written, oral, multimedia presentation or poster form	-	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[FIZMEDMU2_U08] is able to communicate effectively with both specialists and non-specialists on issues relevant to the studied area of physics	-	[SU2] presentation/project/paper/report [SU8] observation of student's independent or team work
	[FIZMEDMU2_U10] can popularize science within their specialty or related areas of medical physics	-	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU8] observation of student's independent or team work
	[FIZMEDMU2_U11] is able to determine directions for further improvement of knowledge and skills (including self-education) in the selected specialty and beyond it	-	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report
	[FIZMEDMU2_K06] is aware of the risks of obtaining information from unverified sources, including partly the Internet	-	[SK1] oral statement/conversation/discussion
	[FIZMEDMU2_K05] understands the need to popularize knowledge in the field of physics, including the latest scientific and technological achievements	-	[SK1] oral statement/conversation/discussion
	[FIZMEDMU2_K03] can work individually and in a team; is aware of responsibility for jointly performed tasks	-	[SK8] observation of student's independent or team work
	[FIZMEDMU2_K02] is aware of the decisive role of experiment in the verification of physical theories; is aware of the existence of the scientific method in collecting knowledge	-	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report
	[FIZMEDMU2_K01] knows the limitations of his own knowledge and skills; can formulate questions precisely; understands the need for further education of oneself and other people	-	[SK1] oral statement/conversation/discussion

	Course outcome	Subject outcome	Method of verification
	[FIZMEDMU2_U05] has the ability to synthesize methods and ideas from various areas of physics and other natural sciences; is able to notice that distant phenomena are sometimes described by similar models	-	[SU2] presentation/project/paper/report
	[FIZMEDMU2_W06] has knowledge of current directions in the development of physics, in particular within the chosen specialization	-	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report
	[FIZMEDMU2_K08] can formulate competent opinions on professional issues and opinions on certain issues that concern public opinion, such as the greenhouse effect, renewable energy or nuclear energy	-	[SK1] oral statement/conversation/discussion [SK2] 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%	100.0%
Recommended reading	Basic literature	not applicable	
	Supplementary literature	not applicable	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	not applicable		
Work placement	Not applicable		

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