University of Gdańsk

Subject card

Subject name and code	Advanced Numerical Methods of Medical Physics, PG_00155856		
Field of study	Medical Physics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	postgraduate studies	Subject group	
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish not applicable
Semester of study	1	ECTS credits	5.0
Learning profile	academic	Assessment form	
Conducting unit	Instytut Fizyki Teoretycznej i Astrofizyki -> Faculty of Mathematics, Physics and Informatics -> Rektor		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Marek Krośnicki	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	0.0	30.0	0.0	0.0	60

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	60	0.0	65.0	125

Subject objectives

not applicable

Learning outcomes

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	not applicable	[SU2] presentation/project/paper/ report [SU4] test/exam - oral or written
[FIZMEDMU2_W05] knows the theoretical basis of computational methods and IT techniques used to model and simulate physical systems	not applicable	[SW4] test/exam - oral or written [SW2] presentation/project/paper/ report
[FIZMEDMU2_W02] has: in-depth knowledge of advanced mathematics and mathematical and computer methods necessary to solve physical problems of medium complexity and advanced knowledge in a selected area of physics	not applicable	[SW4] test/exam - oral or written [SW2] 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%	50.0%
not applicable	51.0%	50.0%

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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