



Subject card

Subject name and code	Nanotechnology in Medicine, PG_00040471						
Field of study	Nanotechnology						
Date of commencement of studies	February 2023		Academic year of realisation of subject		2023/2024		
Education level	second-cycle studies		Subject group		Optional subject group Subject group related to scientific research in the field of study		
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		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department of Solid State Physics -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Bogusław Kusz				
	Teachers		dr inż. Marta Przeźniak-Welenc				
			prof. dr hab. inż. Bogusław Kusz				
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	15.0	0.0	0.0	30
	E-learning hours included: 0.0						
	Additional information: Lecture and practical learning in the laboratory.						
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		2.0		18.0	50
Subject objectives	Learning about the possibilities and achievements of nanotechnology in medicine.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K7_U07		The student is able to apply the acquired specialist knowledge to issues from other exact sciences, natural sciences or technology.		[SU4] Assessment of ability to use methods and tools		
	K7_W02		The student has knowledge in the selected field of nanotechnology and, to an extent adequate to the needs, in the field of medicine.		[SW2] Assessment of knowledge contained in presentation		
	K7_W04		The student has in-depth practical and basic theoretical knowledge of physical experimental nanotechnologies.		[SW1] Assessment of factual knowledge		
Subject contents	Nanotechnology in diagnosis, treatment and regenerative nanotechnology.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	laboratory		51.0%		51.0%		
	lecture		51.0%		49.0%		
Recommended reading	Basic literature		Internet				
	Supplementary literature		Lack				
	eResources addresses		Podstawowe https://enauczanie.pg.edu.pl/moodle/course/view.php?id=37968 - e-course Adresy na platformie eNauczanie:				

Example issues/ example questions/ tasks being completed	Nanotechnology in cancer treatment. Nanotechnology in diagnostics. Nanotechnology in regenerative medicine.
Work placement	Not applicable