



## 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	1		Language of instruction		Polish none		
Semester of study	2		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Instytut Nanotechnologii i Inżynierii Materiałowej -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. inż. Bogusław Kusz				
	Teachers		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						
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	To familiarize students with the achievements of nanotechnology in medicine. Exploring the practical possibilities of nanotechnology.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K7_U07		The student is able to apply the acquired specialist knowledge to issues in the field of medicine.		[SU3] Assessment of ability to use knowledge gained from the subject		
	K7_W04		The student has in-depth practical and theoretical knowledge of nanotechnology methods.		[SW1] Assessment of factual knowledge		
	K7_W02		The student has in-depth, theoretically based, detailed knowledge of nanotechnology in medicine.		[SW3] Assessment of knowledge contained in written work and projects		
Subject contents	Nanotechnology in the diagnosis and treatment of cancer, nervous system, skeletal system and other diseases.						
Prerequisites and co-requisites	Basics of nanotechnology						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	laboratory		50.0%		51.0%		
	lecture		50.0%		49.0%		
Recommended reading	Basic literature		Internet				
	Supplementary literature		Internet				
	eResources addresses		Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	Nanotechnology in the diagnosis and treatment of cancer, nervous system, skeletal system and other diseases. Nanotechnology in disease prevention.						
Work placement	Not applicable						