

## Subject card

Subject name and code	Nanotechnology in Medicine, PG_00040973							
Field of study	Biomedical Engineering, Biomedical Engineering, Biomedical Engineering							
Date of commencement of studies	February 2025		Academic year of realisation of subject			2024/2025		
Education level	second-cycle studies		Subject group			Optional subject group Specialty 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		
Semester of study	1		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	Subject supervisor prof. dr hab. inż. Bogusław Kusz							
of lecturer (lecturers)	Teachers		prof. dr hab. inż. Bogusław Kusz					
			dr inż. Marta Prześniak-Welenc					
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	:t	Seminar	SUM
of instruction	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 classes include plan				Self-study SUM			
	Number of study hours			4.0		16.0		50
Subject objectives	The goal is to broaden knowledge about the use of nanotechnology in medicine.							
Learning outcomes	Course outcome Subject outcome Method of verifica					fication		
	[K7_U51] can conduct complex laboratory work connected with chemistry and biochemistry, specific to biomedical engineering		The student knows how to use the basic research methods in the field of research of living objects.			[SU2] Assessment of ability to analyse information		
	[K7_U52] can examine tissues, materials and biomaterials used in biomedical engineering		Student umie skorzystać z mikroskopii AFM i SEM w celu zbadania tkanek.			[SU3] Assessment of ability to use knowledge gained from the subject		
	[K7_W02] knows and understands, to an increased extent, selected laws of physics and physical phenomena, as well as methods and theories explaining the complex relationships between them, constituting advanced general knowledge in the field of technical sciences related to the field of study		The student knows some physical phenomena as well as methods and theories explaining the complex relationships between them.		[SW2] Assessment of knowledge contained in presentation			
Subject contents	Everything at the interface between nanotechnology and medicine							
Prerequisites and co-requisites	Basics of nanotechnology							
Assessment methods and criteria	Subject passing criteria		Pass	Passing threshold		Percentage of the final grade		
	Lecture		51.0%		49.0%			
	Lab		51.0%			51.0%		
Recommended reading	Basic literature		internet					
	Supplementary literature		internet					
	eResources addresse	eResources addresses Adresy na platformie eNauczanie:						

Data wygenerowania: 21.11.2024 22:26 Strona 1 z 2

Example lecaes	Nanotechnology in the treatment of cancer. Nanotechnology in regenerative medicine. Risks resulting from the use of nanotechnology
Work placement	Not applicable

Document generated electronically. Does not require a seal or signature.

Data wygenerowania: 21.11.2024 22:26 Strona 2 z 2