

## Subject card

Subject name and code	, PG_00052092									
Field of study	Nanotechnology									
Date of commencement of studies	October 2020		Academic year of realisation of subject			2023/2024				
Education level	first-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	4		Language of instruction			Polish				
Semester of study	7		ECTS credits			1.0				
Learning profile	general academic profile		Assessment form			assessment				
Conducting unit	Zakład fizyki nanomateriałów -> Instytut Nanotechnologii i Inżynierii Materiałowej -> Faculty of Applied Physics and Mathematics									
Name and surname	Subject supervisor						/ski			
of lecturer (lecturers)	Teachers		prof. dr hab. inż. Wojciech Sadowski							
			dr hab. Agata Lisińska-Czekaj							
Lesson types and methods	Lesson type	Lecture	Tutorial	Laboratory	Projec	et	Seminar	SUM		
of instruction	Number of study hours	0.0	0.0	0.0	0.0		15.0	15		
	E-learning hours included: 0.0									
	https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33617 specialized lectures									
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan		Participation in consultation hours		Self-st	tudy	SUM		
	Number of study hours	15		1.0		9.0		25		
Subject objectives	Preparation for preparation	aring and writin	g a diploma the	esis.						
Learning outcomes	Course outcome		Subject outcome			Method of verification				
	K6_U11		The student has the ability to prepare works, written studies and oral presentations on issues related to broadly understood materials engineering.			[SU5] Assessment of ability to present the results of task				
	K6_U08		The student is able to present basic facts in the field of materials engineering and nanotechnology in a popular way.			[SU3] Assessment of ability to use knowledge gained from the subject				
	K6_K05		The student is able to analyze and present the results of his or her work.			[SK2] Assessment of progress of work [SK4] Assessment of communication skills, including language correctness				

Data wydruku: 20.04.2024 04:51 Strona 1 z 2

Subject contents	Selected research issues of modern nanotechnology.						
	2. Selected aspects of scientific work (topic, analysis of literature and external sources, purpose of research selection						
	research methodology and techniques)						
	<ol> <li>Methodology and formal requirements for the preparation of a diploma thesis</li> <li>Selected aspects of intellectual property protection.</li> <li>Presentation of research results.</li> <li>Preparation for the defense of the diploma thesis.</li> </ol>						
Prerequisites and co-requisites	Choosing the topic of the diploma thesis.						
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade				
		50.0%	30.0%				
		100.0%	30.0%				
		100.0%	40.0%				
Recommended reading	Basic literature	Introduction to Nanotechnology. Ch.P. Poole Jr., F.J. Owens. Wiley. 2003.     The Oxford Handbook of Nanoscience and Technology. Oxford Univ. Press. V.1,2,3. 2010.					
	Supplementary literature	The Oxford Handbook of Nanoscience and Technology. Oxford Univ. Press. V.1,2,3. 2010.					
	Scientific journals related to nanotechnology available from the Library.		chnology available from the GUT				
	eResources addresses	Adresy na platformie eNauczanie:					
		Seminarium specjalnościowe 2023 - Moodle ID: 33617 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33617					
Example issues/ example questions/ tasks being completed							
Work placement	Not applicable						

Data wydruku: 20.04.2024 04:51 Strona 2 z 2