

## GDAŃSK UNIVERSITY OF TECHNOLOGY

## Subject card

	Negetzeleget	human and a state		55400					
Subject name and code	Nanotechnology and human environment, PG_00055428								
Field of study	Nanotechnology, Nanotechnology (joint Master's double-degree program)								
Date of commencement of studies	October 2022		Academic year of realisation of subject			2023/2024			
Education level	second-cycle studies		Subject group		Humanistic-social subject group				
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	2		Language of instruction			English			
Semester of study	4		ECTS credits			2.0			
Learning profile	general academic profile		Assessment form			assessment			
Conducting unit	Department of Solid State Physics -		> Faculty of Applied Physics and Mat			hematics			
Name and surname	Subject supervisor		dr inż. Marek Chmielewski						
of lecturer (lecturers)	Teachers		prof. dr hab. inż. Jarosław Rybicki dr inż. Marek Chmielewski						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	ory Project Seminar		Seminar	SUM	
	Number of study hours	0.0	0.0	0.0	15.0		15.0	30	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation i classes incluc plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	30	2.0			18.0 50		50	
Subject objectives	The aim of the course is a general presentation of the ethical issues in the field of scientific research, in addition, during the course, allowing students to express their opinions on the ethical and humanistic subjects. Presented are current and analyzed existing codes in the area in the various fields of research.								
Learning outcomes	Course out	Subject outcome Method of verification							
	K7_W03					[SW1] Assessment of factual knowledge			
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	K7_W07		properties of t The student le ethics in scier able to effectiv validity and ca practice. Stud	the materials. earns the issue tific research a vely verify their an apply them i ent will able to al standards in t	of Ind is n	[SW1] knowle	Assessment o dge	of factual	
	K7_W07		properties of t The student le ethics in scient able to effective validity and cap practice. Stud enforce ethica research work Students will a the developm and new scient environment, determine the advanced tect or she can assist	the materials. earns the issue tific research a vely verify their an apply them is lent will able to al standards in f c. analyze the imp ent of technologen tific content or they will be able scope of safe hnical solutions sess the import g balance in the	of ind is n the pact of gy o the e to use of s. He tance	knowle	dge Assessment o roblems that	f ability to	
Subject contents		e issues of hum	properties of t The student le ethics in scier able to effectiv validity and ca practice. Stud enforce ethica research work Students will a the developm and new scier environment, determine the advanced tecl or she can as of maintaining of technologic sentation of the an impact on th	the materials. earns the issue tific research a vely verify their an apply them is ent will able to al standards in to a standards in to analyze the imp ent of technolo htific content or they will be able scope of safe hnical solutions sess the import balance in the al progress.	of ind is n the pact of gy the e to use of s. He tance field ed in th . Prese	[SK5] / solve p practice ne code:	dge Assessment o roblems that e s of ethics ap	f ability to arise in	
Subject contents Prerequisites and co-requisites	K7_K09 The content of the co	e issues of hum	properties of t The student le ethics in scier able to effectiv validity and ca practice. Stud enforce ethica research work Students will a the developm and new scier environment, determine the advanced tecl or she can as of maintaining of technologic sentation of the an impact on th	the materials. earns the issue tific research a vely verify their an apply them is ent will able to al standards in to a standards in to analyze the imp ent of technolo htific content or they will be able scope of safe hnical solutions sess the import balance in the al progress.	of ind is n the pact of gy the e to use of s. He tance field ed in th . Prese	[SK5] / solve p practice ne code:	dge Assessment o roblems that e s of ethics ap	f ability to arise in	
Prerequisites	K7_K09 The content of the co learn, will discuss the risks to the environm	e issues of hum ent and human	properties of t The student le ethics in scier able to effectiv validity and ca practice. Stud enforce ethica research work Students will a the developm and new scier environment, determine the advanced tecl or she can as of maintaining of technologic sentation of the an impact on th will discuss the	the materials. earns the issue tific research a vely verify their an apply them is ent will able to al standards in to a standards in to analyze the imp ent of technolo htific content or they will be able scope of safe hnical solutions sess the import balance in the al progress.	of ind is n the pact of gy the e to use of s. He tance field ed in th . Prese	[SK5] / solve p practice ne code: nted wil	dge Assessment o roblems that e s of ethics ap	f ability to arise in plicable to deration of	

Recommended reading	Basic literature	Kodeks Etyki Pracownika Naukowego PAN Internet sources		
	Supplementary literature	not required		
	eResources addresses	Adresy na platformie eNauczanie: Nanotechnologia a srodowisko człowieka - Moodle ID: 36929		
Example issues/ example questions/ tasks being completed	https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36929           The human impact on the environment.			
	Technology in the hands of man			
Work placement	Not applicable			