

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Ethics in science and technology, PG_00062744								
Field of study	Technologies for Industry 5.0								
Date of commencement of studies	October 2024		Academic year of realisation of subject			2026/2027			
Education level	first-cycle studies		Subject group			Obligatory subject group in the field of study			
						Humanistic-social subject group			
Mode of study	Full-time studies		Mode of delivery			at the university			
Year of study	3		Language of instruction			Polish			
Semester of study	6		ECTS credits			1.0			
Learning profile	general academic pro	Assessment form			assessment				
Conducting unit	Institute of Nanotechi	Institute of Nanotechnology and Materials Engineering -> Faculty of Applied Physics and Mathematics						hematics	
Name and surname	Subject supervisor		dr hab. inż. Aleksandra Mielewczyk-Gryń						
of lecturer (lecturers)	Teachers								
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory			Seminar	SUM	
	Number of study hours	15.0	0.0	0.0	0.0		0.0	15	
	E-learning hours included: 0.0								
Learning activity and number of study hours	Learning activity	Participation i classes includ plan		Participation in consultation hours		Self-study		SUM	
	Number of study hours	15	1.0		9.0		25		
Subject objectives	The aim of the course is to provide students with fundamental knowledge of the ethical principles applicable in both scientific work and research and development.								
Learning outcomes	Course outcome Subject outcome Method of verification								
	[K6_K71] is conscious of the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment					[SK5] Assessment of ability to solve problems that arise in practice			
	[K6_W71] has general knowledge in humanistic, social, economic or legal sciences		ethical issues related to their			[SW3] Assessment of knowledge contained in written work and projects			
Subject contents	By the end of the course, students will be able to:								
	 Understand key ethical principles and theories applicable to scientific research. Analyze ethical dilemmas and conflicts in scientific practice Evaluate the impact of scientific work on society and the environment. Apply ethical decision-making models to real-world scientific scenarios. Develop a personal ethical framework for their professional and academic careers. 								
Prerequisites and co-requisites									
Assessment methods	Subject passing criteria		Passing threshold		Percentage of the final grade				
and criteria	written essey		50.0%		100.0%				
Recommended reading	Basic literature	Ethics: The Fundamentals Driver Julia Blackwell Publ, Wiley-Blackwell, John Wiley And Sons Ltd.							

	Supplementary literature	The Ethics of Science An Introduction By <u>David B. Resnik Copyright</u> <u>1998</u>				
	eResources addresses	Podstawowe				
		https://open.umn.edu/opentextbooks/textbooks/797 - Table of Contents 1. Aren't Right and Wrong Just Matters of Opinion? On Moral Relativism and Subjectivism 2. Can We Have Ethics without Religion? On Divine Command Theory and Natural Law Theory 3. How Can I Be a Better Person? On Virtue Ethics 4. What's in it for Me? On Egoism and Social Contract Theory 5. Utilitarianism 6. Kantian Deontology 7. Feminism and Feminist Ethics 8. Evolutionary Ethics				
		Adresy na platformie eNauczanie:				
Example issues/ example questions/ tasks being completed	What is ethics, and what are its main theories?					
	What are the ethical aspects of conducting scientific research? Does technological development always lead to social progress?					
Work placement	Not applicable					

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