



Subject card

Subject name and code	Methodology of scientific research, PG_00031934						
Field of study	Technical Physics						
Date of commencement of studies	February 2025	Academic year of realisation of subject			2025/2026		
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	1	Language of instruction			Polish		
Semester of study	2	ECTS credits			1.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department of Atomic, Molecular and Optical Physics -> Faculty of Applied Physics and Mathematics						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Mateusz Zawadzki				
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	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 in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	Number of study hours	15		2.0		8.0	25
Subject objectives	Acquainting students with principles of scientific research.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
Subject contents	1. What is science and what is not science? 2. Scientific career in Poland vs. in other countries. 3. Ethics in science and engineering. 4. Principles of using scientific literature and scientific information databases. 5. Principles of scientific writing and publishing. 6. Principles of preparations of oral presentations.						
Prerequisites and co-requisites							
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	Grade of an essay on a prescribed subject		100.0%		100.0%		
Recommended reading	Basic literature		A. F. Chalmers, What is this thing called Science?, 2nd ed., University of Queensland Press, St. Lucia, 1982				

	Supplementary literature	<p>1. Ustawa o stopniach naukowych i tytule naukowym oraz o stopniach i tytule w zakresie sztuki</p> <p>2. Rozporządzenie w sprawie kryteriów oceny osiągnięć osoby ubiegającej się o nadanie stopnia doktora habilitowanego</p> <p>3. Rozporządzenie w sprawie szczegółowego trybu i warunków przeprowadzania czynności w przewodach doktorskich, w postępowaniu habilitacyjnym oraz w postępowaniu o nadanie tytułu profesora</p> <p>4. M. Mazur, Historia naturalna polskiego naukowca, PIW, Warszawa, 1970</p> <p>5. CRA-W Career Mentoring Workshops Booklet</p> <p>6. Opracowanie "Rzetelność w badaniach naukowych oraz poszanowanie własności intelektualnej"</p> <p>7. Kodeks Etyki Pracownika Naukowego</p> <p>8. "Dobre obyczaje w nauce" - zbiór zasad i wytycznych</p> <p>9. Opracowanie "Dobra praktyka naukowa"</p> <p>10. Z. Cywiński, O nową filozofię budownictwa, Wydawnictwo Politechniki Gdańskiej, Gdańsk, 2009 (wyd. 1), 2010 (wyd. 2)</p>
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Essay "Plagiarism".	
Work placement	Not applicable	

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