



Subject card

Subject name and code	PHILOSOPHY , PG_00065072						
Field of study	Chemistry						
Date of commencement of studies	October 2025	Academic year of realisation of subject			2025/2026		
Education level	first-cycle studies	Subject group			Optional 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	1	ECTS credits			2.0		
Learning profile	general academic profile	Assessment form			assessment		
Conducting unit	Department Of Philosophy And Science Methodology -> Faculty Of Management And Economics -> Wydział Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Przemysław Parszutowicz					
	Teachers						
Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	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	30		2.0		18.0	50
Subject objectives	Getting acquainted with the basic notions of philosophy. Course provides a basic introduction to the philosophical problems, focusing especially on science, philosophy of technology and philosophy of nature.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K6_W07] integrates general knowledge in the humanities, social sciences, economics including their foundations, principles of protection of intellectual property and patent law relevant to appropriate interpretation and application in scientific and economic activities, and the concept of sustainable development	Student knows the main methodological problems, the most important philosophical trends and issues as well as their genesis. He can explain the specific nature of both theoretical and humanistic sciences. The student also recognizes the main problems and concepts of modern philosophy of science and knows the arguments used to justify them. Student nurtures both an attitude of critical distance and a virtue of autoreflexion.			[SW1] Assessment of factual knowledge		
	[K6_K02] is aware of the importance of non-technical aspects and consequences of engineering activities, including their impact on the environment, and of the related responsibility for the decisions to be taken	Student is able to evaluate the influence of the particular worldview on the reality and is able to discuss the ethical and anthropological implications of acceptance of certain epistemological view of reality.			[SK4] Assessment of communication skills, including language correctness		
	[K6_K04] is able to identify and resolve dilemmas related to the chemical engineering profession while respecting traditions and ethical principles	Student is fully aware of the axiological and metatheoretical conditioning of knowledge, is able to point at the particular rootedness of the given interpretation of the world.			[SK5] Assessment of ability to solve problems that arise in practice		

Subject contents	<p>The concept of method in philosophy; Basic problems of philosophy and the theory of cognition; Humanities and natural sciences; Positive method and its assumptions; Transcendental method and its assumptions (the problem of synthetic a priori judgements); The basis of the critical method in the philosophy of science; The specificity of scientific concepts and the principles of their construction (sciences) Specifics of scientific concepts and the principles of their construction (humanities); The problem of model, symbol and scientific experiment; Selected concepts of the philosophy of science (Popper's falsificationism, Fleck's research collectives, Kuhn's theory of scientific revolutions, Feyerabend's methodological anarchism); The problem of the Anthropocene; Science and pseudoscience - or how conspiracy theories are created.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Final exam	50.0%	100.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> • A. Chalmers, <i>Czym jest to, co zwiemy nauką</i>, Wrocław 1997. • M. Grabowski, <i>Elementy filozofii nauki</i>, Toruń 2000. • <i>Filozofia nauki i metodologia badań naukowych, Wybór tekstów źródłowych</i>, red. M. Łojewska, Warszawa 1982. • A. Miś, <i>Filozofia współczesna: główne nurty</i>, Warszawa 2006. • Roman Murawski, <i>Filozofia matematyki: zarys dziejów</i>, Warszawa 1995. 	
	Supplementary literature	<ul style="list-style-type: none"> • W. Tatarkiewicz, <i>Historia filozofii</i>, t. 3, Warszawa 2005. • <i>Przewodnik po literaturze filozoficznej XX wieku</i>, t. 15, red. B. Skarga. 	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<p>Describe the main divisions in philosophy; Present the main principles of the positivist view of science; Discuss the main conceptions of the general methodology of science; What is methodological anarchism; Elucidate the concepts of conventionalism and falsificationism.</p>		
Work placement	Not applicable		

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