GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Philosophy, PG_00054698		
Field of study	Biotechnology		
Date of commencement of studies	October 2024	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	2	Language of instruction	Polish
Semester of study	3	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 -> Wydziały 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	1.0	19.0	50

Subject objectives

The aim of the course is to acquaint students with the basic philosophical issues, with special emphasis on theory of knowledge, methodology and philosophy of sciences.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_K02	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 autoreflection.	[SK2] Assessment of progress of work
K6_K01	Student is able to correctly identify the social, cultural and civilization conditions of the development of scientific knowledge and technology, as well as to point to their ethical implications.	[SK2] Assessment of progress of work

Subject contents

Philosophical concept of nature and its history; the concept of method in philosophy; humanities vs. exact sciences; foundations of positivism (Comte); the transcendental method and its foundations (the problem of synthetic *a priori* judgements); characteristics of scientific concepts and rules of their construction (natural sciences); characteristics of scientific concepts and rules of their construction (humanities); the main problems of theory of knowledge and philosophy of science; meaning of an experiment; the problem of induction; Poppers falsifiability and the problem of demarcation; Kuhns theory of scientific revolutions; Feyerabends methodological anarchy; science and ethical values; contemporary philosophical problems.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Attendance	70.0%	20.0%
Final test	50.0%	80.0%

Recommended reading	Basic literature	1. Roman Murawski, *Filozofia matematyki. Zarys dziejów*, Poznań 1995; 2. Michał Tempczyk, *Fizyka a świat realny. Elementy filozofii fizyki,* Warszawa: PWN, 1991. 3. M. Heller, *Filozofia przyrody. Zarys historyczny*, Znak, Kraków 2004. 4. Alan Chalmers, *Czym jest to, co zwiemy nauką*, Wrocław 1997; 5. Paweł Zeidler, *Miejsce filozofii chemii w filozofii przyrodoznawstwa*, Roczniki Filozoficzne, Tom LIV, numer 2, 2006
	Supplementary literature	1. Władysław Tatarkiewicz, *Historia filozofii*, t. 1-3, Warszawa 2005;
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	List the main areas of philosophy; discuss the basic conceptions in the field methodology of sciences; How Thales of Miletus, Pythagoras, Plato and Aristotle have influenced the development of mathematics?; Descartes and his achievements in the field of mathematics and physics; Karl Popper and falsifiability.	
Work placement	Not applicable	

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