GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Philosophy, PG_00021024		
Field of study	Mathematics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2025/2026
Education level	first-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	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 -> Wydziały Politechniki Gdańskiej		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Andrzej Karalus	
	Teachers	dr Andrzej Karalus	

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	5.0	15.0	50

Subject objectives

Becoming acquainted with basic problems philosophy from ancient Greece to the present day with special attention given to the cultural context of European civilization.

Learning outcomes

Course outcome	Subject outcome	Method of verification
K6_K03	Student is able to identify correctly both social, cultural and civilizational determinants of the development of scientific knowledge and technology alike and is able to explain their most evident ethical implications.	[SK2] Assessment of progress of work
K6_K01	Student nurtures both an attitude of critical distance and a virtue of autoreflection.	[SK3] Assessment of ability to organize work
K6_W05	Student knows main positions and problems of philosophy and their background; Sees the differences in the methodology of sciences and humanities;learns the main problems and ideas of modern philosophy and to discuss them.	[SW1] Assessment of factual knowledge

Subject contents

Philosophical concept of nature and its history; The notion of method in philosophy; humanities and sciences; positivism and its foundations; transcendentalism as a method; Specific character of the scientific concepts and their structure; The uniqueness of concepts in humanities; The main problems of epistemology; The role of experiment; Induction, falsification (Popper), The theory of scientific revolutions (Kuhn); methodological anarchism (Feyerabend); Science and ethics; philosophical problems of modern world.

Prerequisites and co-requisites

Assessment methods and criteria

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

Recommended reading

Basic literature

Alan Chalmers, *Czym jest to, co zwiemy nauką*, Wrocław 1997; Marian Grabowski, *Elementy filozofii nauki*, Toruń 2000; Władysław Tatarkiewicz, *Historia filozofi*i, t. 3, Warszawa 2005; Andrzej Miś, Filozofia współczesna: główne nurty, Warszawa 2006.

	Supplementary literature	1. Michał Tempczyk, *Fizyka a świat realny. Elementy filozofii fizyki,* Warszawa: PWN, 1991. 2. Michał Tempczyk, *Teoria chaosu dla odważnych*, Warszawa: PWN, 2002.
	eResources addresses	Adresy na platformie eNauczanie:
Example issues/ example questions/ tasks being completed	Describe the main divisions in philosophy; Enumerate main divisions in philosophy and main problems of ethics; Discuss the main conceptions of the general methodology of science; What philosophical interpretation of reality was developed within the classical physics; Discuss what are the dundaemntal ethical challenges and dilemmas are faced by science and technology nowadays; Elucidate the conepts of conventionalism and falsiciationizm.	
Work placement	Not applicable	

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