



Subject card

Subject name and code	Philosophy, PG_00021024						
Field of study	Mathematics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Andrzej Karalus				
	Teachers						
Lesson types	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_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		
	K6_K01		Student nurtures both an attitude of critical distance and a virtue of autoreflection.		[SK3] Assessment of ability to organize work		
	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		
Subject contents	Course content – lecture 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		
	Final test		50.0%		80.0%		
	Course participation		70.0%		20.0%		
Recommended reading	Basic literature		Alan Chalmers, <i>Czym jest to, co zwiemy nauką</i> , Wrocław 1997; Marian Grabowski, <i>Elementy filozofii nauki</i> , Toruń 2000; Władysław Tatarkiewicz, <i>Historia filozofii</i> , t. 3, Warszawa 2005; Andrzej Miś, <i>Filozofia współczesna: główne nurty</i> , Warszawa 2006.				

	Supplementary literature	<ol style="list-style-type: none"> 1. Michał Tempczyk, <i>Fizyka a świat realny. Elementy filozofii fizyki</i>, Warszawa: PWN, 1991. 2. Michał Tempczyk, <i>Teoria chaosu dla odważnych</i>, Warszawa: PWN, 2002.
	eResources addresses	
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 fundamental ethical challenges and dilemmas are faced by science and technology nowadays; Elucidate the concepts of conventionalism and falsificationism.	
Practical activities within the subject	Not applicable	

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