



Subject card

Subject name and code	Philosophy, PG_00060890						
Field of study	Chemical Technology						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
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 Social Sciences and Philosophy -> Faculty of Management and Economics						
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 from ancient times to the present, with special emphasis on theory of knowledge, methodology and philosophy of sciences.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[K6_K02] understands the non-technical aspects and implications of the activities of a chemical engineer, including the impact on the environment, is aware of professional behaviour, observance of professional ethics and respect for diversity of views and cultures		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.		[SK2] Assessment of progress of work		
	[K6_K01] understands the need for continuing education, and is aware of the opportunities to improve professional, personal and social competences		Student nurtures both an attitude of critical distance and a virtue of autoreflection.		[SK2] Assessment of progress of work		
	[K6_W11] has knowledge of business management, development and economics, knows the concepts and principles of industrial property protection and copyright, intellectual property protection and patent law, knows the general principles for the creation and development of forms of individual entrepreneurship, has knowledge of the humanities, social sciences		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.		[SW1] Assessment of factual knowledge		

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 <i>a priori</i> 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; Popper's falsifiability and the problem of demarcation; Kuhn's theory of scientific revolutions; Feyerabend's methodological anarchy; science and pseudoscience; science and ethical values; the problem of anthropocene.		
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	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. 3. Paweł Zeidler, <i>Miejsce filozofii chemii w filozofii przyrodznawstwa</i>, „Roczniki Filozoficzne”, Tom LIV, numer 2, 2006. 	
	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; Descartes and his achievements in the field of mathematics and physics; Karl Popper and falsifiability; What is anthropocene? What is scientism?		
Work placement	Not applicable		