GDAŃSK UNIVERSITY OF TECHNOLOGY

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	dr hab. Przemysław Parszutowicz	

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

<table>
<tr><td>Subject contents</td><td colspan="3">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; Popper’s falsifiability and the problem of demarcation; Kuhn’s theory of scientific revolutions; Feyerabend’s methodological anarchy; scence and pseudoscience; science and ethical values; the problem of anthropocene.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td colspan="3"></td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>attendance</td><td>70.0%</td><td>20.0%</td></tr>
<tr><td>final test</td><td>50.0%</td><td>80.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">Alan Chalmers, Czym jest to, co zwiemy nauką, Wrocław 1997; Marian Grabowski, Elementy filozofii nauki, Toruń 2000; Władysław Tatarkiewicz, Historia filozofi, t. 3, Warszawa 2005; Andrzej Miś, Filozofia współczesna: główne nurty, Warszawa 2006.</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">1. Michał Tempczyk, Fizyka a świat realny. Elementy filozofii fizyki, Warszawa: PWN, 1991.
2. Michał Tempczyk, Teoria chaosu dla odważnych, Warszawa: PWN, 2002.
3. Paweł Zeidler, Miejsce filozofii chemii w filozofii przyrodoznawstwa, „Roczniki Filozoficzne”, Tom LIV, numer 2, 2006.</td></tr>
<tr><td>eResources addresses</td><td colspan="2">Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3">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?</td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
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