University of Gdańsk

Subject card

Subject name and code	Philosophy of nature - lecture, PG_00193061		
Field of study	Geology		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study 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	1.0
Learning profile	academic	Assessment form	credit
Conducting unit			
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Lucyna Przybylska	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	0.0	0.0	0.0	15

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	15	1.0	9.0	25

Subject objectives

The aim of the course is to present selected major issues in the philosophy of physics

Learning outcomes

Course outcome	Subject outcome	Method of verification
[GEOLL3_U02] has the skill of analytical and synthetic way of reasoning leading to correct inference based on the results obtained or the facts presented	knows the scope of his/her knowledge and skills, understands the need for continuous education and professional development; correctly applies the learned terminology; analyzes arguments in the field of philosophy of nature.	[SU4] test/exam - oral or written
[GEOLL3_W02] knows and understands the terminology appropriate in science and natural sciences	has basic knowledge of the place and role of philosophy of nature in relation to the sciences, as well as of the subject matter and methodological specificity of philosophy of nature; knows basic philosophical-natural terminology in Polish; knows basic research methods and argumentation strategies relevant to philosophy of nature.	[SW4] test/exam - oral or written

<table>
<tr><td>Subject contents</td><td>1 The ontology of time - from Aristotle to today

2. special and general relativity</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>Knowledge - at the level of a good high school - of basic scientific achievements in the natural sciences, preferably in physics</td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>test/exam - oral or written</td><td>51.0%</td><td>100.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>Obligatory literature:M. Heller, M. Lubański, Sz. Ślaga, "Zagadnienia filozoficzne współczesnej nauki. Wstęp do filozofii przyrody", Warsaw 1997 [ONLY the "middle" part, written by Heller, without quantum mechanics].T. Kąkol, "Ontologia czasu od Arystotelesa do McTaggarta," https://www.academia.edu/85849729/Ontologia_czasu_od_Arystotelesa_do_McTaggarta</td></tr><tr><td>Supplementary literature</td><td>Supplementary literature:S. Hawking, "A Brief History of Time" (any edition)Z. Augustynek, "Past, Present, Future" (ibid.)</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>The ontology of time - from Aristotle to today</td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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