

Subject card

Subject name and code	Humanities II - Philosophy of nature, PG_00103630						
Field of study	Environmental Protection						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2025/2026		
Education level	Bachelor's studies		Subject group		Obligatory subject group in the field of study 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	2		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit							
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Józef Tarnowski				
	Teachers		dr hab. Józef Tarnowski				
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	Acquiring knowledge about the history of the philosophy of nature, the emergence of the natural sciences from it, the transformation of the philosophy of nature into the philosophy of the natural sciences, as well as attempts to revitalize the philosophy of nature undertaken in contemporary philosophical thought.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	[OŚL3_K05] Identifies the level of her/his knowledge and skills, demonstrates the need to update knowledge about the environment and its protection, demonstrates the need for continuous professional training and personal development.		Students gain knowledge about explanations of biological diversity.		[SK4] test/exam - oral or written [SK8] observation of student's independent or team work		
	[OŚL3_K06] Knows and appreciates the practical application of the acquired knowledge and skills in solving problems.		Students gain knowledge of how to apply elementary methods of evolutionary theory.		[SK8] observation of student's independent or team work		
	[OŚL3_W07] Explains the causal relationship between the content of specific pollutants and the state of the environment (including human health) and the occurrence of adverse phenomena on a local, regional and global scale.		Students know how to analyze causal relations in biological reality.		[SW5] implementation of a problem task		
	[OŚL3_U08] Correctly concludes based on the available data from various sources.		Students know how to logically infer conclusions from premises.		[SU4] test/exam - oral or written		

Subject contents	1. Introduction: philosophy of nature science philosophy of the natural sciences. 2. An outline of the history of the philosophy of nature from antiquity to the present. 3. The emergence of the natural sciences from the philosophy of nature. 4. Paradigm revolutions in the natural sciences: CopernicanNewtonian, Darwinian, Einsteinian, and sociobiological. 5. New ideas in contemporary philosophy of nature: ecophilosophy, neo-Darwinism, the Anthropocene, environmental ethics, and the concept of somatic markers.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam/test	50.0%	100.0%
Recommended reading	Basic literature	Crombie, A.C., Nauka średniowieczna i początki nauki nowożytnej. Dowolne wydanie. Darwin, K., O pochodzeniu gatunków drogą doboru naturalnego Dowolne wydanie. Heller, M., Filozofia przyrody. Zarys historyczny. Dowolne wydanie. Heller, M. Filozofia nauki. Dowolne wydanie. Hempel, C.G., Podstawy nauk przyrodniczych. Dowolne wydanie. R. 1-3 Kuhn, T.S., Przewrót kopernikański. Dowolne wydanie Popper, K.F, Logika odkrycia naukowego. Dowolne wydani., Cz. 1,	
	Supplementary literature	Additional reading materials are available on the UG Educational Portal - the course name is the same as the name of the subject.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	How did the process of the natural sciences emerging from the philosophy of nature unfold? How do scientific theories differ from metaphysical concepts? Are the laws of science verifiable? What is the difference between verification, confirmation, and falsification?		
Work placement	Not applicable		

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