

**Subject card**

<b>Subject name and code</b>	Ethics in Science - lecture, PG_00204927						
<b>Field of study</b>	Oceanography						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2027/2028		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Humanistic-social subject group		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	2	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	3	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>							
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Paweł Pijas				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	15.0	0.0	0.0	0.0	0.0	15
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	15		1.0		9.0	25
<b>Subject objectives</b>	Acquiring or expanding knowledge in the field of ethics, philosophy of science and methodology of science enabling understanding and analysis of the ethical dimension of science: axiology and aretology in science, moral problems related to scientific research and its consequences, ethics of scientific research, codes of ethics in science.						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>		<b>Method of verification</b>		
	[OCEANMU2-K02] is ready to take full responsibility in terms of actions taken and compliance with professional ethics and principles intellectual honesty, is aware of the importance professional approach in every situation		Knows, understands and is ready to implement the epistemic and ethical rules and values that are key to good practice in science.		[SK4] test/exam - oral or written		
	[OCEANMU2-K04] is ready to critically evaluate his/her knowledge and received content in the field of natural sciences in particular in the field of the studied specialty, a in problematic situations, supports oneself with knowledge experts		Has a healthy distance towards scientific knowledge resulting from the perception of its entanglement in philosophical and socio-ethical issues.		[SK4] test/exam - oral or written		

Subject contents	1. Elements of the methodology of science: the ambiguity of the term "science", the characteristics of scientific knowledge (goal, object, method), science and other spheres of culture (ordinary knowledge, philosophy, religion, ideology, wisdom), science and quasi-scientific fields (protoscience, pseudoscience, parascience). 2. Elements of the philosophy of science: the main problems of the philosophy of science, contemporary positions: inductivism, falsificationism/critical rationalism, relativism, methodological anarchism, realism/anti-realism. 3. Ethics: the specificity of the field (descriptive ethics and normative ethics, branches of ethics, naturalistic fallacy, moral dilemmas, moral norms and the norm of morality, models of practical ethics), the main ethical theories and their conceptual tools (utilitarianism/consequentialism, Kantianism/deontologism, virtue ethics, value ethics, personalism). 4. Ethics in science: axiology of science, ethics of scientific research, moral consequences of practicing science, aretology in science, codes of ethics in science.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	test	51.0%	100.0%
Recommended reading	Basic literature		<p>1. Lekka-Kowalik A., <i>Odkrywanie aksjologicznego wymiaru nauki</i>, Wydawnictwo KUL, Lublin 2008.</p> <p>2. Chalmers A., <i>Czym jest to, co zwiemy nauką?</i>, tłum. Chmielewski A., Wydawnictwo Siedmioróg, Wrocław 2003.</p> <p>3. Hajduk Z., <i>Ogólna metodologia nauk</i>, Wydawnictwo KUL, Lublin 2007.</p> <p>4. Hajduk Z., <i>Metanaukowe ujęcie relacji między etyką a nauką</i>, "Nauka" 3/2010, s. 14-31.</p> <p>5. Williams B., <i>Moralność. Wprowadzenie do etyki</i>, tłum. Hernik M., Aletheia, Warszawa 2000.</p> <p>6. Mepham B., <i>Bioetyka</i>, tłum. E. Bartnik, P. Golik, J. Klimczyk, PWN, Warszawa 2008.</p> <p>7. Galewicz W., <i>O etyce badań naukowych</i>, "Diametros" 19 (2009), s. 48-57.</p>
	Supplementary literature		Nie dotyczy.
	eResources addresses		
Example issues/ example questions/ tasks being completed	Explain concepts, e.g. fallibilism, inductivism. Present the main theses of a position, e.g. Kuhn's. Using the ethical theories you have learned, analyze a case, e.g. related to freedom of speech in the academic world.		
Work placement	Not applicable		

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