

**Subject card**

<b>Subject name and code</b>	Ethics in Science - lecture, PG_00204978						
<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>	Acquire or expand knowledge of ethics, philosophy of science and methodology of sciences to understand and analyze the ethical dimension of science: axiology and arethology in science, moral problems related to scientific research and their consequences, ethics of scientific research, ethical codes 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 embody the epistemic and ethical principles and values central to good practice in the 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 from scientific knowledge resulting from recognizing its entanglement with philosophical and socio-ethical issues.			[SK4] test/exam - oral or written	

Subject contents	<p>1. Elements of the methodology of sciences: ambiguity of the term science, characteristics of scientific cognition (purpose, object, method), science vs. other spheres of culture (common knowledge, philosophy, religion, ideology, wisdom), science vs. quasi-scientific fields (protoscience, pseudoscience, para-science).</p> <p>2. Elements of the philosophy of science: the main problems of the philosophy of science, contemporary positions: inductionism, falsificationism/critical rationalism, relativism, methodological anarchism, realism/anti-realism.</p> <p>3. Ethics: peculiarities of the field (descriptive ethics vs. normative ethics, divisions of ethics, naturalistic error, moral dilemmas, moral norms vs. moral standard, models of practical ethics), main ethical theories and their conceptual tools (utilitarianism/consequentialism, Kantianism/deontologism, virtue ethics, value ethics, personalism).</p> <p>4. ethics in science: axiology of science, ethics of scientific research, moral consequences of doing science, arethology in science, ethical codes in science.</p>		
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	Nie dotyczy.		
Work placement	Not applicable		

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