

**Subject card**

<b>Subject name and code</b>	Principles of toxicology - lecture, PG_00118098						
<b>Field of study</b>	Oceanography						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	undergraduate studies	<b>Subject group</b>					
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	3	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	5	<b>ECTS credits</b>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>					
<b>Conducting unit</b>	Pracownia Biotechnologii Morskiej -> Katedra Biologii Morza i Biotechnologii -> Faculty of Oceanography and Geography						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		prof. dr hab. Hanna Mazur Marzec				
	<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		4.0		10.0	29
<b>Subject objectives</b>	Acquisition by students basic knowledge on toxins, their classification, mechanism of action, toxicokinetics and toxicodynamics. History of toxicology.						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>			<b>Method of verification</b>	
	OCEANL3-W04		Possesses basic knowledge and understands main toxicological issues.			[SW4] test/exam - oral or written	
<b>Subject contents</b>	<p>The course includes such topics as:</p> <ul style="list-style-type: none"> <li>- history of toxicology</li> <li>- classification and characterisation of toxins</li> <li>- toxicokinetics</li> <li>- toxicodynamics</li> <li>- toxicological tests</li> </ul>						
<b>Prerequisites and co-requisites</b>							
<b>Assessment methods and criteria</b>	<b>Subject passing criteria</b>		<b>Passing threshold</b>		<b>Percentage of the final grade</b>		
	test		51.0%		100.0%		
<b>Recommended reading</b>	Basic literature		Jurowski K., Piekoszewski W., 2020. Toksykologia tom 1 i 2. PZWL Wydawnictwo Lekarskie. Warszawa				

	Supplementary literature	John Timbrell; The Poison Paradox: Chemicals as Friends and Foes, Oxford University Press
	eResources addresses	Podstawowe <a href="https://aquaticpath.php.ufl.edu/waterbiology/handouts/introtox-020909.pdf">https://aquaticpath.php.ufl.edu/waterbiology/handouts/introtox-020909.pdf</a> - Definitions of main toxicological concepts Adresy na platformie eNauczenie:
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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