University of Gdańsk

Subject card

Subject name and code	Principles of Toxicology - laboratory , PG_00206167		
Field of study	Oceanography		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study Optional subject group Subject group related to scientific research in the field of study
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	Polish
Semester of study	5	ECTS credits	2.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory of Marine Biotechnology -> Department of Marine Biology and Biotechnology -> Faculty of Oceanography and Geography -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Agata Błaszczyk	
	Teachers		

Lesson types

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

To introduce students to methods of analysing xenobiotics and assessing their toxicity (assays, biomarkers).

Learning outcomes

Course outcome	Subject outcome	Method of verification
[OCEANL3-U03] is able to process, describe, and present results, and draw conclusions	K_U03 the student is able to prepare the results of chemical analyses and toxicological tests and form conclusions	[SU4] test/exam - oral or written
[OCEANL3-K01] is willing to plan and implement, individually or as a team, the subsequent stages of the entrusted task, is willing to take responsibility for the results of these works, effectively cooperates in the team and performs various roles in it	K_K01: student is ready to take responsibility for his/her own and the team's work	[SK4] test/exam - oral or written

Subject contents

1 Chemical methods of xenobiotics sanalysis.
2 Toxicological tests
3 Biomarkers in toxicology

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	1. Jurowski K., Piekoszewski W., 2020. Toksykologia tom 1 i 2. PZWL Wydawnictwo Lekarskie. Warszawa 2. Watkins III, John B., Klaassen, Curtis D. 2014. Podstawy Toksykologii Casarett&Doull, MedPharm. ISBN: 978-83-7846-058-9 3. 3. Traczewska T.M., 2011. Biologiczne metody oceny skażenia środowiska. Oficyna Wydawnicza politechniki Wrocławskiej. ISBN 978-83-7493-597- 5
	Supplementary literature	-
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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