

**Subject card**

<b>Subject name and code</b>	Disclosure of evidence and evidence of crime - chemical methods - lecture, PG_00132524						
<b>Field of study</b>	Criminology						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2024/2025		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study		
<b>Mode of study</b>	part-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	2	<b>ECTS credits</b>			2.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			exam		
<b>Conducting unit</b>							
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr hab. Aleksandra Dąbrowska				
	<b>Teachers</b>		dr hab. Aleksandra Dąbrowska dr hab. Karol Krzymiński				
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	10.0	0.0	0.0	0.0	0.0	10
	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>	10		0.0		40.0	50
<b>Subject objectives</b>	Understanding the role of chemistry in the discovery and analysis of crime evidence. Acquiring knowledge about various chemical analysis techniques and instrumental methods. Developing the ability to interpret analytical results and solve problems. Awareness of legal and ethical aspects related to the analysis of evidence.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[KRYMMU2_UW06 ] He/she is able to propose solutions of concrete problems and carry out procedures connected with solutions in this respect	Can identify specific ones analytical problems related to chemical evidence of what is first step to proposing solutions. Can make independent suggestions method of analysis, which is crucial for solving problems in the context of forensics.	[SU4] test/exam - oral or written
	[KRYMMU2_KK01 ] The graduate is aware of the level of his/her knowledge and skills, and also understands the need of lifelong learning	Regular use latest publications and technology will teach students how keep your knowledge on up to date, what is necessary in professional context.	[SK4] test/exam - oral or written
	[KRYMMU2_UW04 ] He/she can apply legal and professional principles and norms in taking up the activity of criminologist	Student equipment in technical skills and procedural necessary to conducting analyses chemicals in accordance with applicable regulations. Providing practicality skills in the field documenting and reporting analysis results, which is crucial in a legal context.	[SU4] test/exam - oral or written
	[KRYMMU2_KR08 ] He/ she is aware of the level of own knowledge and skills, and understands the need for lifelong learning	Regular use latest publications and technology will teach students how keep your knowledge on up to date, what is necessary in professional context. Regular use latest publications and technology will teach students how keep your knowledge on up to date, what is necessary in professional context.	[SK4] test/exam - oral or written
	[KRYMMU2_UW02 ] He/she acquires knowledge independently and develops his/her professional skills using various sources (in native and foreign language) and modern technologies	Need to use with professional literature in the language better development skills language of instruction, enabling them access to a wide range information and research. Learning to exploit release of information sources, i.e detail of knowledge from various scientific practice to end related problems professional.	[SU4] test/exam - oral or written
	[KRYMMU2_WG02] He/she demonstrates deepened knowledge about the character of natural sciences connected with the field of stud, their place in the system of sciences and mutual relations	Forensic chemistry requires integration of knowledge from different fields of natural sciences, what enables you to understand them mutual relations and place in system of sciences. The item provides detailed information knowledge of chemical methods used in forensics, expands overall understanding natural sciences.	[SW4] test/exam - oral or written [SW3] text preparation/written work
[KRYMMU2_UK02] He/she is prepared for active participation in groups, organizations and institutions connected with the problem of crime and other related phenomena. He/she is also able to communicate with specialists and non-specialists in criminology	By understanding how to analyze chemical is part of a broader one criminology context, students they will be able to integrate theirs knowledge with other fields, what is crucial for effective participation in teams interdisciplinary.	[SK4] test/exam - oral or written	
Subject contents	Introduction to forensic chemistry. Types of chemical traces. Methods of revealing traces. Chemical analysis of traces. Preparing samples for analysis. The use of chemical methods in disclosing evidence. Detection and identification techniques. Legal and ethical aspects. Interdisciplinarity in forensic examinations.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	exam	51.0%	100.0%
Recommended reading	Basic literature	<ol style="list-style-type: none"> <li>1. D.E.Newton, <i>Forensic Chemistry</i>, Library of Congress Cataloging in-Publication Data, New York (2007).</li> <li>2. S. Bell, <i>Drugs, Poisons, and Chemistry</i>, Library of Congress Cataloging-in-Publication Data, New York (2009).</li> <li>3. Aticles (own materials) indicated by the lecturer.</li> </ol>	

	Supplementary literature	1. M. Goc, J. Moszczyński, <i>Ślady kryminalistyczne: ujawnianie, zabezpieczanie, wykorzystanie</i> , Difin, Warszawa (2007).
	eResources addresses	Basic <a href="https://bg.ug.edu.pl/">https://bg.ug.edu.pl/</a> - Supplementary <a href="https://bg.ug.edu.pl/">https://bg.ug.edu.pl/</a> -
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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