

**Subject card**

<b>Subject name and code</b>	Biological basis of addiction - lecture, PG_00132768						
<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>		Optional subject group			
<b>Mode of study</b>	full-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>			1.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			credit		
<b>Conducting unit</b>	Laboratory of Neurobiology -> Department of Animal and Human Physiology -> Faculty of Biology -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Wojciech Glac				
	<b>Teachers</b>		dr Wojciech Glac				
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	20.0	0.0	0.0	0.0	0.0	20
	E-learning hours included: 0.0						
	eNauczanie source addresses: Moodle ID: 12627 Biologiczne podłoże uzależnień / Podstawy fizjologii stresu (2024/25) <a href="https://mdl.ug.edu.pl/course/view.php?id=12627">https://mdl.ug.edu.pl/course/view.php?id=12627</a>						
<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>	20		0.0		5.0	25
<b>Subject objectives</b>	Understanding the mechanisms leading to pharmacological and behavioral addiction and the basis of individual differences in susceptibility to addiction; learning the properties, mechanisms of action and effects of the most popular addictive substances; ability to recognize addiction and symptoms of taking addictive substances, and the effects of addiction and psychoactive drugs on antisocial behavior.						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>		<b>Method of verification</b>		
	[KRYMMU2_WG01] The graduate demonstrates widened knowledge about legal science and related penal sciences, their the place in the system of sciences and mutual relation		Demonstrates advanced knowledge of addiction and its biological basis, as well as the effects of psychoactive substances on the human body, as part of a broader understanding of human nature and the biological basis of human behavior.		[SW4] test/exam - oral or written [SW5] implementation of a problem task		
	[KRYMMU2_KK01] The graduate is aware of the level of his/her knowledge and skills, and also understands the need of lifelong learning		Is able to assess their own knowledge of the biological basis of addiction based on feedback and to identify directions for further development.		[SK1] oral statement/conversation/discussion [SK5] implementation of a problem task		
	[KRYMMU2_UW01] The graduate utilizes theoretical knowledge in the field of criminology and the related scientific disciplines to analyze and interpret problems connected with widely understood crime		Is able to use knowledge about addiction and its biological basis and the effects of psychoactive substances on the human body to interpret antisocial and criminal behavior.		[SU5] implementation of a problem task		

Subject contents	<ul style="list-style-type: none"> <li>• the definitions of addiction;</li> <li>• psychological and physical addictions;</li> <li>• behavioral and pharmacological addictions;</li> <li>• neurobiological mechanism of addiction;</li> <li>• theories on the development of addiction;</li> <li>• mechanisms of action and effects of the main pharmacological groups of addictive drugs - stimulants, depressants and psychedelics - including: amphetamine, cocaine, caffeine, nicotine, alcohol, barbiturates, benzodiazepines, opioids, LSD, psilocybin, MDMA, ketamine, phencyclidine, cannabinoids and others;</li> <li>• individual differences in susceptibility to addiction and the effects of taking addictive substances;</li> <li>• effects of addiction and psychoactive drugs on antisocial behavior;</li> <li>• treatment of addiction</li> </ul>														
Prerequisites and co-requisites															
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="456 584 794 618">Subject passing criteria</th> <th data-bbox="799 584 1137 618">Passing threshold</th> <th data-bbox="1142 584 1485 618">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 624 794 674">problem-based tasks / case studies</td> <td data-bbox="799 624 1137 674">51.0%</td> <td data-bbox="1142 624 1485 674">50.0%</td> </tr> <tr> <td data-bbox="456 680 794 714">quizzes</td> <td data-bbox="799 680 1137 714">51.0%</td> <td data-bbox="1142 680 1485 714">30.0%</td> </tr> <tr> <td data-bbox="456 721 794 745">discussions</td> <td data-bbox="799 721 1137 745">51.0%</td> <td data-bbox="1142 721 1485 745">20.0%</td> </tr> </tbody> </table>			Subject passing criteria	Passing threshold	Percentage of the final grade	problem-based tasks / case studies	51.0%	50.0%	quizzes	51.0%	30.0%	discussions	51.0%	20.0%
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Recommended reading	Basic literature	<ul style="list-style-type: none"> <li>• Bijak i Lasoń (red.), Neuropsychofarmakologia: dziś i jutro, Instytut Farmakologii Klinicznej PAN, Wydawnictwo Palotyn, Kraków, 2000</li> <li>• Szukalski, Narkotyki kompendium wiedzy o środkach uzależniających, Instytut Psychiatrii i Neurologii, Warszawa, 2005</li> </ul>													
	Supplementary literature	<ul style="list-style-type: none"> <li>• Longstaff, Neurobiologia, PWN, Warszawa, 2002</li> <li>• articles in specialist scientific journals (provided by teacher)</li> </ul>													
	eResources addresses														
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>• test - indicate substances that are physically addictive (indicate all correct answers)</li> <li>• problem-based task - create a synthetic theory of addiction based on various theories</li> <li>• case study - based on the described story, indicate and justify what substances the described has taken, and why criminal behavior occurred</li> <li>• discussion - topic: therapeutic potential of psychedelics</li> </ul>														
Work placement	Not applicable														

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