

Subject card

Subject name and code	, PG_00146032						
Field of study	Neurologiczne podłoże uzależnień						
Date of commencement of studies	October 2022	Academic year of realisation of subject				2024/2025	
Education level	Bachelor's studies	Subject group					
Mode of study	full-time studies	Mode of delivery				at the university	
Year of study	3	Language of instruction				Polish	
Semester of study	6	ECTS credits				2.0	
Learning profile	academic	Assessment form				credit	
Conducting unit	Laboratory of Neurobiology -> Department of Animal and Human Physiology -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Wojciech Glac				
	Teachers		dr Wojciech Glac				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
	eNauczanie source addresses: Moodle ID: 10429 Neurobiologia uzależnień (ćw. aud.) 2024/25 https://mdl.ug.edu.pl/course/view.php?id=10429						
	Additional information: Zajęcia prowadzone w systemie zgamifikowanym (o konstrukcji i działaniu opartych są na mechanice i elementach gry oraz fabule), w którym student poprzez systematyczne wykonywanie różnego rodzaju zadań i uzyskiwanie w ich efekcie punktów, dokonuje postępu w grze, który zgodnie z podanymi kryteriami przekłada się jednocześnie na możliwość uzyskania danej oceny końcowej (bez konieczności uczestniczenia w egzaminie bądź kolokwium).						
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	30		2.0		18.0	50
Subject objectives	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						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLL3_W04] the graduate knows and understands to an advanced degree the course of physiological processes and their relationship to the adaptation of the organism to changing environmental conditions	understands the physiological processes occurring in response to the intake (administration) of various types of addictive substances and their relationship with the addiction process and understands the neural mechanism of addiction (B_W04)	[SW4] test/egzamin - ustny lub pisemny [SW3] opracowanie tekstowe/praca pisemna [SW5] realizacja zadania problemowego
	[BIOLL3_U09] the graduate is able to prepare in writing well-documented studies of selected biological problems	can prepare a well-documented issue on the neurobiological basis of addiction and addiction prevention (B_U09)	[SU3] opracowanie tekstowe/praca pisemna [SU5] realizacja zadania problemowego
	[BIOLL3_U05] the graduate is able to synthesise data from a variety of sources and draw appropriate conclusions on this basis	synthesizes data from various sources in order to determine the degree of harmfulness, addictive potential of substances and the individual's susceptibility to developing addiction (B_U05)	[SU5] realizacja zadania problemowego
	[BIOLL3_K04] the graduate is ready to be responsible for his own work and to conform to the rules of teamwork and responsibility for jointly implemented tasks	is able to organize the work of a small team and demonstrates the ability to effectively work in a team to solve a problem related to addiction (B_K04)	[SK5] realizacja zadania problemowego [SK8] obserwacja samodzielnej lub zespołowej pracy studenta
Subject contents	<ul style="list-style-type: none"> the definitions of addiction; psychological and physical addictions; behavioral and pharmacological addictions; neurobiological mechanism of addiction; theories on the development of addiction; 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; individual differences in susceptibility to addiction and the effects of taking addictive substances; treatment of addiction 		
Prerequisites and co-requisites	basic knowledge about the structure and functioning of the central nervous system		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	quizzes	51.0%	30.0%
	problem-based tasks	51.0%	40.0%
	discussion	51.0%	10.0%
	case study	51.0%	20.0%
Recommended reading	Basic literature	<ul style="list-style-type: none"> Bijak i Lasoń (red.), Neuropsychofarmakologia: dziś i jutro, Instytut Farmakologii Klinicznej PAN, Wydawnictwo Państwowy Zakład Wydawnictw Lekarskich, Kraków, 2000 Szukalski, Narkotyki kompendium wiedzy o środkach uzależniających, Instytut Psychiatrii i Neurologii, Warszawa, 2005 Longstaff, Neurobiologia, PWN, Warszawa, 2002 	
	Supplementary literature	articles in specialist scientific journals (provided by teacher)	
	eResources addresses		
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> test - indicate substances that are physically addictive (indicate all correct answers) problem work - create a synthetic theory of addiction based on various theories case study - based on the described story, indicate and justify what substances the described has taken, and why fatal overdose occurred 		
Work placement	Not applicable		

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