University of Gdańsk

Subject card

Subject name and code	What is worth knowing about medicines?, PG_00132884						
Field of study	Criminology						
Date of commencement of studies	October 2025		Academic year of realisation of subject	2025/2026			
Education level	Bachelor's studies		Subject group				
Mode of study	full-time studies		Mode of delivery	e-learning			
Year of study	1		Language of instruction	Polish Polish			
Semester of study	1		ECTS credits	2.0			
Learning profile	academic		Assessment form	credit			
Conducting unit	Faculty of Chemistry -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		prof. dr hab. Elżbieta Kamysz, prof. UG				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 30.0						
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	30		0.0	20.0	50	
Subject objectives	The aim of the course is to familiarize students with: the basic terms in the field of general pharmacology; types of drugs, basic forms of drugs and their applications, main mechanisms of action of drugs, methods of searching for new drugs and issues related to the impact of drugs on the human body as well as the actions of the body on the drug.						

Learning outcomes

Course outcome	Subject outcome	Method of verification
	Knowledge - Student: • explains the basic terms and issues in the field of general pharmacology; • knows the main mechanisms of action of medicines; • has knowledge about the study of new medicines; • is able to characterize selected groups of medicines (for instance painkillers); • knows the procedure of reporting side effects; • has a basic knowledge of the possible interactions between medicines and between medicines and nutrients; • knows how to deal with medicines as waste. Skills - Student: • is able to use sources of information about medicines; • uses basic pharmacological knowledge regarding the choice of the form and route of administration of medicines, therapeutic effect and side effects; • can report side effects of medicines. Social competence - Student is aware of the therapeutic and adverse effects of medicines; understands the need for continuous training and development as well as the search for new medicines.	[SW4] test/exam - oral or written [SW3] text preparation/written work [SU3] text preparation/written work [SU4] test/exam - oral or written [SU5] implementation of a problem task [SK3] text preparation/written work [SK4] test/exam - oral or written

Subject contents

Types and classifications of drugs; sources of medicines; the route followed by drug after its administration in the human body; selected forms of drugs applications; issues related to the search for new drugs; clinical studies; pharmacovigilance; side effects of medications; drug interactions; falsification of medicines; legal acts regulating handling of drugs constituting waste; differences between drugs and dietary supplements; labeling, presentation and advertising of medicines and dietary supplements; history of discovery of selected medicines; pharmacotherapy of pain and selected lifestyle diseases; biological and biosimilar drugs (what they are, how they work and how they are distributed); mechanisms of action of poisons on the body; outline of procedures in case of poisoning; pharmacology in travel medicine.

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
written work up to 2,500 words	75.0%	55.0%
test (open and closed questions) covering issues presented during the lecture	51.0%	45.0%

Recommended reading

Basic literature	1. Publikacje naukowe i źródła internetowe wskazane na zajęciach przez prowadzącego; 2. P. Graham, Chemia leków, PWN; 3. R. Olszanecki, P. Wołkow, J. Jawień, Farmakologia/Mechanizmy/ Leki/Farmakoterapia oparta na faktach; PZWL, Warszawa; 4. G. Rajtar-Cynke Farmakologia Czelej, Lublin; 5. M. Obrzut, Interakcje leków z żywnością, PZWL; 6. Stryer, Biochemia Wydawnictwo Naukowe PWN, Warszawa;
Supplementary literature	no recommendations
eResources addresses	

Example issues/ example questions/ tasks being completed

no

Work placement

Not applicable

Document generated electronically. Does not require a seal or signature.