

Subject card

Subject name and code	Core clinical pharmacology, PG_00203484						
Field of study	Medical Biology						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	Master's studies	Subject group			Obligatory subject group in the field of study		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	1	Language of instruction			Polish		
Semester of study	1	ECTS credits			2.0		
Learning profile	academic	Assessment form			exam		
Conducting unit	Department of General and Medical Biochemistry -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr n. med. Marlena Typiak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	20.0	0.0	0.0	0.0	0.0	20
	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	20	3.0	27.0	50		
Subject objectives	Acquiring knowledge of the current principles of pharmacotherapy based on scientific research regarding the most common diseases and biological factors affecting the action and metabolism of drugs, with particular emphasis on drug interactions.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[BIOLMEDMU2_W05] knows in-depth understanding the principles of practice based on scientific arguments	- knows the principles of practice based on scientific arguments in the field of basic clinical pharmacology (BM2_W05)			[SW4] test/exam - oral or written		
	[BIOLMEDMU2_U01] can proficiently, but critically, use the scientific literature and databases necessary in the activities of medical biology and related disciplines	- can use scientific literature fluently but critically and databases necessary for activities in the field of medical biology and related disciplines in the field of basic clinical pharmacology (BM2_U01)			[SU1] oral statement/conversation/discussion		
	[BIOLMEDMU2_K02] is ready to recognize the importance of knowledge in solving cognitive and practical problems and to seek expert advice when having difficulty solving a problem on his own	- recognizes the importance of knowledge in solving cognitive and practical problems in the field of the basics of clinical pharmacology, and seeks the opinion of experts in the event of difficulties with solving the problem independently (BM2_K02)			[SK1] oral statement/conversation/discussion		
[BIOLMEDMU2_W01] has an in-depth knowledge of scientific fields and disciplines relevant to medical biology and the studied specialty and knows their main development trends	- has in-depth knowledge of the basics of clinical pharmacology, important for medical biology and the studied specialty, and knows the main development trends in this field of science (BM2_W01)			[SW4] test/exam - oral or written			

Subject contents	Basics of pharmacoeconomics. Adverse drug effects, drug concentration monitoring. Clinical pharmacology of the treatment of bacterial, viral and parasitic infections. Clinical pharmacology of pain management. Clinical pharmacology of hypertension treatment. Clinical pharmacology of antithrombotic treatment. Principles of using drugs in organ failure - kidneys and liver, children, elderly people, pregnant women. Principles of planning and conducting clinical trials with drugs.		
Prerequisites and co-requisites	The scope of knowledge applicable to the subject of propaedeutics of internal diseases.		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written test or open-ended tasks	51.0%	100.0%
Recommended reading	Basic literature	Clinical Pharmacology H.P. Rang, M.M. Dale, J.M. Ritter, R.J. Flower, G. Henderson, 9th edition, ed. D.Mirowska-Guzel, A.Czlonkowski 2021. Edna Urban & Partner.	
	Supplementary literature	Compendium of pharmacology and pharmacotherapy. Textbook for medical students. Danysz A., Buczko W. ed. V. Elsevier Urban & Partner.	
	eResources addresses		
Example issues/ example questions/ tasks being completed	Sample task on a written test: 1. The mechanism of action of a drug in the body is described by its: a) pharmacodynamics b) pharmacokinetics c) pathopharmacology d) toxicology		
Work placement	Not applicable		

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