Speciality "General Medicine"

ACADEMIC DISCIPLINE "PHARMACOLOGY"
MEDICAL BIOLOGY MODULE 2

Academic discipline outline	General principles of drug pharmacodynamics and pharmacokinetics. Factors determining therapeutic efficacy, side effects, allergenicity, and toxicity of drugs. Individualized pharmacotherapy strategies. Primary drug therapy for various pathological processes and the most common diseases. Pharmacological means of protecting the human body from various types of biological aggression and parasitism. Doctor's prescription. Prescribing pharmaceuticals in various dosage forms.
Resulting skills	Use knowledge of the pharmacological properties of drugs, apply the principles of choosing rational pharmacotherapy for diseases and pathological conditions of the human body and for preventive purposes
Learning outcomes	Student must **know**: nomenclature of medicinal products; legal, economic, organizational and deontological aspects of the use of medicines; fundamentals of pharmacodynamics and pharmacokinetics of medicinal products; indications for the prescription and clinical use of drugs from different pharmacotherapeutic groups; toxic syndromes in overdose and drug poisoning, antidotes and principles of treatment of drug poisoning; problems of drug allergy, the principles of its prevention and treatment; conditions and restrictions on the use of addictive drugs, methods of combating drug addiction; rules for clinical testing and registration of new drugs; **be able to**: choose the method of administration of the drug and its dosage regimen based on the goals of pharmacotherapy, pharmacokinetic data of the drug, clinical characteristics of the patient; critically evaluate scientific information on the effectiveness of medicines; work with drug reference guides; **master:** the skills of prescribing and issuing a doctor's prescription when prescribing medicines in various dosage forms
Semester(s)	5,6 semesters
Prerequisite	Normal physiology Pathological physiology Biological chemistry Latin
Credit value	6 credits
Academic hours	246 academic hours, of which:

	153 class hours
Forms of midterm attestation	Test Examination