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MEDICAL UNIVERSITY PLOVDIV, PHARMACY FACULTY
DEPT. PHARMACOLOGY, TOXICOLOGY AND PHARMACOTHERAPY, 15A "V. Aprilov" Blvd
HEAD OF DEPARTMENT: ASSOCIATE PROFESSOR E. APOSTOLOVA, PharmD, PhD

PROGRAMME FOR PHARMACOLOGY, PHARMACY STUDENTS – LECTURES,
WINTER SEMESTER – ACADEMIC YEAR 2024/2025

№	DATE	TOPIC	Hours
1.	19.09.2024	Object and tasks of Pharmacology. Definition of drug. Phases in drug discovery. Routes of drug administration.	3h.
2.	26.09.2024	Phases of penetration and movement of the drug in the body. Pharmacokinetics – drug absorption, distribution, metabolism, excretion. Main pharmacokinetic indicators.	3h.
3.	03.10.2024	Pharmacodynamics. Drug action and drug effect. Types of drug effects. Adverse drug reactions. Factors affecting drug pharmacokinetics and pharmacodynamics: a) drug factors; b) host influences; c) environmental influences.	3h.
4.	10.10.2024	Repeated and combined drug administration. Drug interactions.	3h.
5.	17.10.2024	Principles of rational therapy and prophylaxis with antimicrobial drugs. Antibiotics that inhibit cell wall synthesis: beta-lactam (penicillins, cephalosporins, monobactams, carbapenems) and glycopeptide antibiotics.	3h.
6.	24.10.2024	Antibiotics that inhibit protein synthesis: aminoglycosides, tetracyclines, macrolides, lincosamides, amphenicols.	3h.
7.	31.10.2024	Chemotherapeutic agents: sulfonamides, quinolones, nitroimidazoles, antifungal, antiviral and antitubercular drugs. Uroantiseptics.	3h.
8.	07.11.2024	Antiseptics and disinfectants.	3h.
9.	14.11.2024	CNS depressants: sedative drugs, hypnotics and antiepileptic drugs.	3h.
10.	21.11.2024	CNS depressants: antipsychotics, anxiolytics and antiparkinsonian drugs.	3h.
11.	28.11.2024	Opioid analgesics. Analgesics-antipyretics. Non-steroidal anti-inflammatory drugs.	3h.
12.	05.12.2024	CNS stimulants: antidepressants, psychostimulants and nootropic drugs.	3h.
13.	12.12.2024	Local anaesthetics.	3h.
14.	19.12.2024	Drugs affecting the autacoids (histamine, serotonin, prostaglandins, leukotrienes, angiotensin, etc.).	3h.
15.	26.12.2024	Anticancer drugs. Immunomodulators – immunostimulators and immunosuppressive drugs	3h.

Prepared by:
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19.06.2024

