

DEPARTMENT OF PHARMACOLOGY AND TOXICOLOGY/ Faculty of Medicine, University of Banja Luka

School year	Subject	Subject code	Study Program	Cycle Studies	Year of Study	Semester	Number of students	Number of exercise groups
2025/2026.	Pharmacology and toxicology		Medicine	Integrated study	Third year	V + VI (3+2)		

LECTURE PLAN AND SCHEDULE

Week	Lesson	Subject	Day	Date	Time	Place	Hours	Lecturer
I	L1	Introduction to pharmacology(definitions, routs of drug administration, origine of drugs,drug nomenclature,drug compendia)	Tuesday	7.10.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Natasa Stojakovic M.D.
II	L2	Pharmacokinetics(membrane transport, absorption, distribution of drugs, metabolism, excretion , kinetics of elimination)	Tuesday	14.10.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Ranko Škrbić M.D. Prof. Natasa Stojakovic M.D.
III	L3	The effect of drugs on organism (mechanisam of drug action, receptor pharmacology, factors modifying drug action, evidence based medicine, clinical trials, adverse effects)	Tuesday	21.10.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Ranko Škrbić M.D. Prof. Natasa Stojakovic M.D.
IV	L4	Pharmacology of the autonomic nervous system (ANS) I (cholinergic transmission and cholinergic drugs, anti cholinergic drugs and drugs acting on autonomic ganglia)	Tuesday	28.10.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Milos Stojiljkovic M.D. Prof. Ranko Škrbić M.D. Prof. Natasa Stojakovic M.D.
V	L5	Pharmacology of the ANS II (adrenergic transmission and adrenergic drugs, antadrenergic drugs and drugs for glaucoma, autacoids- histamine, 5-HT, , prostaglandines, leukotriens, PAF, kinins, endotelins)	Tuesday	04.11.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Ranko Škrbić M.D. Prof. Milos Stojiljkovic M.D. Prof. Natasa Stojakovic M.D.
VI	L6	Autacoids- histamine, 5-HT, , prostaglandines, leukotriens, PAF, kinins, endotelins	Tuesday	11.11.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Natasa Stojakovic M.D.
VII	L7	CNS pharmacology I (General anesthetics, , local anesthetics, skeletal muscle relaxants,, ethyl and methyl alcohols, analgetics-)	Tuesday	18.11.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Natasa Stojakovic M.D.
VIII	L8	CNS pharmacology II,(analgetics-NSAIL and opioid, sedative-hypnotics antiepileptic drugs, antiparkinsonic drugs, antipsychotic and antimanic drugs,antidepressant and antianxiety drugs, CNS stimulants)	Tuesday	25.11.2025	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Natasa Stojakovic M.D.
IX	L9	CNS pharmacology III (antipsychotic and antimanic drugs,antidepressant and antianxiety drugs, CNS stimulants)	Tuesday	02.12.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Natasa Stojakovic M.D.

X	L10	Antibiotics I (Basic principles of antimicrobial therapy, sulfonamides, quinolones, beta lactam, tetracyclines, chloramphenicol)	Tuesday	09.12.2025	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Milos Stojiljkovic M.D. Prof. Natasa Stojakovic M.D.
XI	L11	Antibiotics II (aminoglycoside, macrolide, lincosamide, glycopeptide, oxazolidinones, polypeptides, lipopeptide, urinary antiseptics, antitubercular drugs, antileprotic drugs)	Tuesday	16.12.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Milos Stojiljkovic M.D. Prof. Natasa Stojakovic M.D.
XII	L12	Antiviral, antifungal medicines, antimalarial, antamebic, antiprotozoal, anthelmintics	Tuesday	23.12.2025.	14.00-16.15	Plava sala of the Faculty of Medicine	3	Prof. Milos Stojiljkovic M.D. Prof. Natasa Stojakovic M.D.
XIII	L13	Colloquium I	Tuesday	30.12.2025	14.00-16.15	Plava sala of the Faculty of Medicine	3	
XIV	L14	Colloquium I-remedial	Tuesday	In agreement with prof.	14.00-16.15	Plava sala of the Faculty of Medicine	3	
XV	L15	Certification of the semester						