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

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| **School year** | **Subject** | **Subject  code** | **Study  Program** | **Cycle  Studies** | **Year of Study** | **Semester** | **Number of students** | **Number of exercise groups** |
| 2024/2025. | **Pharmacology and toxicology** |  | **Medicine** | Integrated study | Third year | V + VI (3+2) |  |  |

**LECTURE PLAN AND SCHEDULE**

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| **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 | 15.10.2024. | 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 | 22.10.2024. | 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 | 29.10.2024. | 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 | 05.11.2024. | 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 adrenegic drugs, antadrenergic drugs and drugs for glaucoma, autacoids- histamine, 5-HT, , prostaglandines, leukotriens, PAF, kinins, endohtelins) | Tuesday | 12.11.2024. | 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 | CNS pharmacology I ( General anesthetics, , local anesthetics, sceletal muscle relaxants,, ethyl and methyl alcohols, analgetics-NSAIL and opiod, sedative-hypnotics) | Tuesday | 19.11.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 | Prof. Natasa Stojakovic M.D. |
| VII | L7 | CNS pharmacology II,antiepileptic drugs, antiparkinsonic drugs, antpsyhotic and antimanic drugs,antidepressant and antianxiety drugs, CNS stimulants) | Tuesday | 26.11.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 | Prof. Natasa Stojakovic M.D. |
| VIII | L8 | Antibiotics I (Basic principles of antimicrobial therapy, sulfonamides, quinolones,beta lactam, tetracyclines, choramphenicol) | Tuesday | 3.12.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 | Prof. Milos Stojiljkovic M.D. Prof. Natasa Stojakovic M.D. |
| IX | L9 | Antibiotics II (aminogycoside, macrolide, lincosamide, glycopeptide, oxazolidinones, polypeptides, lipopetide, urinary antiseptics, antitubercular drugsantileprotic drugs) | Tuesday | 10.12.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 | Prof. Milos Stojiljkovic M.D. Prof. Natasa Stojakovic M.D. |
| X | L10 | Antiviral, antifungal medicines, antimalarial, antamobeic, antiprotozoal, anthelmintics | Tuesday | 17.12.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 | Prof. Natasa Stojakovic M.D. |
| XI | L11 | Colloquium I | Tuesday | 24.12.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 |  |
| XII | L12 | Colloquium I-remedial | Tuesday | 31.12.2024. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 |  |
| XIII | L13 | Seminars (reimbursement  absences) | Tuesday | 14.1.2025. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 |  |
| XIV | L14 | Certification of the semester | Tuesday | In agreement  with prof. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 |  |
| XV | L15 |  | Tuesday | In agreement  with prof. | 14.00-16.15 | Plava sala of the Faculty of Medicine | 3 |  |

**EXERCISES PLAN AND SCHEDULE**

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| **Week** | **Lesson** | **Subject** | **Day** | **Date** | **Time** | **Place** | **Hours** | **Lecturer** |
| I | E1 | Introduction to exercises in Pharmacology and toxicology | Monday | 14.10.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| II | E2 | Classification of drugs | Monday | 21.10.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| III | E3 | Pharmacokinetics, part I | Monday | 28.10.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| IV | E4 | Pharmacokinetics, part II | Monday | 04.11.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| V | E5 | Dosage of medicines in children | Monday | 11.11.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| VI | E6 | Adverse drug reactions | Monday | 18.11.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| VII | E7 | Medicines in pregnancy | Monday | 25.11.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| VIII | E8 | Medicines during breastfeeding | Monday | 02.12.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| IX | E9 | Mushroom poisoning | Monday | 09.12.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| X | E10 | Forms of medicines | Monday | 16.12.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| XI | E11 | Pharmacography | Monday | 23.12.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| XII | E12 | Seminar - Vitamins as medicines | Monday | 30.12.2024. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| XIII | E13 | Collocating exercises | Monday | 13.01.2025. | 15.15-16.45 | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| XIV | E14 | Certification of the semester |  | In agreement  with assis. |  | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |
| XV | E15 | Certification of the semester |  | In agreement  with assis. |  | Stari Dekanat, Faculty of Medicine | 2 | Milica Gajić Bojić  Žana Maksimović |