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|  | **UNIVERSITY OF BANJA LUKA**  FACULTY OF MEDICINE  Department of Medical Biochemistry | C:\Users\Korisnik\Desktop\Logo MF\logo mF novi.jpg |

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| **School year** | **Subject** | **Subject code** | **Study program** | **Study cycle** | **Year of studies** | **Semester** | **Number of students** | **Number of groups** |
| 2024/2025 | Medical biochemistry and chemistry |  | Medicine | First | Second | III | 63 | 3 |

**CLASS SCHEDULE**

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| **Week** | **Lecture** | **Subject name** | **Day** | **Date** | **Time** | **Place** | **H** | **Teacher** |
| I | L1 | * Chemical bonds. * Complex compounds and their use in medicine. * Platinum complexes, gold and bismuth complexes. Intermolecular bonds, hydrogen bonds, ion-dipole force * Hydrophobic interactions * Solutions and their properties | Tuesday | 08.10. | 12.30-14.45 | Amphitheatre, Faculty of Political Sciences | 3 | Prof.dr Snežana Uletilović |
| II | L2 | -Acids and bases.  -Chemical balance  -Chemical kinetics  -Biocatalisators  -pH and buffers | Tuesday | 15.10. | 12.30-14.45 | Amphitheatre, Faculty of Political Sciences | 3 | Prof.dr Snežana Uletilović |
| III | L3 | -Lipids, fatty acids, fat and oil, complex lipids, lipoproteins,  steroids, cholesterol and bile acids | Tuesday | 22.10. | 12.30-14.45 | Amphitheatre, Faculty of Political Sciences | 3 | Prof.dr Snežana Uletilović |
| IV | L4 | -Carbohydrates, structure, reactivity, disaccharides,  polysaccharides, glycoproteins | Tuesday | 29.10. | 12.30-14.45 | Amphitheatre, Faculty of Political Sciences | 3 | Prof.dr Snežana Uletilović |
| V | L5 | -Representatives of amino acids, traits and reactions to amino acids,  representatives of dipeptides,  biologically important peptides,  proteins and their physico-chemical properties | Tuesday | 05.11. | 12.30-14.45 | Amphitheatre, Faculty of Political Sciences | 3 | Prof.dr Snežana Uletilović |

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| **Week** | **Practical** | **Type of practical** | **Subject name** |
| I | P1 | PE | Determination of a substance concentration in HCl solution with Na2CO3 solution with Methyl Orange indicator |
| II | P2 | PE | Determination of a substance concentration in NaCl solution with AgNO3 solution with K2CrO4 as indicator |
| III | P3 | PE | Qualitative reactions to proteins |
| IV | P4 | PE | Qualitative reactions to carbohydrates |
| V | P5 | PE | Qualitative reactions to lipids |

**PRACTICAL SCHEDULE**

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| **Group** | **Day** | **Time** | **Place** | **H** | **Assistant** |
| G1 | Wednessday | 10.45-13.00 | Laboratory for MB | 3 | senior teaching ass. Nebojša Mandić-Kovačević |
| G2 | Tuesday | 09.00-11.15 | Laboratory for MB | 3 | senior teaching ass. Nebojša Mandić-Kovačević |
| G3 | Monday | 09.00-11.15 | Laboratory for MB | 3 | senior teaching ass. Nebojša Mandić-Kovačević |

**Teacher:**

**Prof.dr Snežana Uletilović**