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

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| **Academic year** | **Subject** | **Subject code** | **Study program** | **Cycle study** | **Year of study** | **Semester** | **Number of students** | **Number of groups** |
| 2024/2025. | Epidemiology |  | Medicine in English  International programme | The first | The third | IV | 12 |  |

**LECTURES (TIMETABLE)**

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| **Week** | **Lecture** | **Topic** | **Day** | **Date** | **Time** | **Place** | **Class** | **Professor** |
| I | L1 | Study subject and significance of epidemiology. Epidemiology in the practice of public health. New directions of development in epidemiology. | Wednesday | 09.10.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| II | L2 | Health disorder frequency indicators. Data sources in epidemiology. | Wednesday | 16.10.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| II | L3 | Causality in epidemiology and the concept of risk. Epidemiological triage | Wednesday | 23.10.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| IV | L4 | Types of epidemiology studies. Descriptive epidemiology and descriptive studies. | Wednesday | 30.10.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| V | L5 | Analytical studies. Experimental studies. | Wednesday | 06.11.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| VI | L6 | Measurement errors in epidemiology studies. Public health supervision. | Wednesday | 13.11.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| VII | L7 | Prevention. Screening. | Wednesday | 20.11.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| VIII | L8 | Reservoir and source of infection. Portals of entry and exit of infection. | Wednesday | 27.11.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| IX | L9 | Routes of transmission of infectious diseases. Epidemiology of the living environment. | Wednesday | 04.12.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| X | L10 | Immunization. Epidemics research. | Wednesday | 11.12.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| XI | L11 | Disease suppression measures. Hospital-Acquired Infections. | Wednesday | 18.12.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| XII | L12 | Epidemiology in emergency situations. Biological war and terrorism. Communication, knowledge, skill and practice. | Wednesday | 25.12.2024 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| XIII | L13 | Epidemiology of chronic non-infectious disease and strategies for their prevention. | Wednesday | 08.01.2025 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| XIV | L14 | Epidemiology of cardiovascular diseases. | Wednesday | 15.01.2025 | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| XV | L15 | Epidemiology of malignant tumours. Epidemiology of chronic respiratory diseases. | Wednesday | To be confirmed | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |
| XVI | L16 | Application of epidemiology in evidence-based medicine. Clinical epidemiology. | Wednesday | To be confirmed | 13:00-14:30 | Amphitheatre of Public Health Institute of the Republic of Srpska | 2 | Rodic Vukmir N. |

**PRACTICAL AND THEORETICAL EXERCISES**

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| **Week** | **Exrcise** | **Type of exe.** | **Topics** |
| I  since 16.10.2024 | E1 | Practical | Health disorder frequency indicators |
| II  since 23.10.2024. | E2 | Practical | Standardization. |
| Theoretical | Transport of substances through the cell membrane |
| III  since  30.10. 2024 | E3 | Practical | Causality in epidemiology and the concept of risk. |
| Theoretical | Human body fluids: intracellular and extracellular, interstitial; **Clinical consideration** |
| IV  since  06.11.2024. | E4 | Practical | Natural flow of disease. |
| Theoretical | Membrane potentials and action potentials **Clinical consideration** |
| V  since  13.11.2024 | E5 | Practical | Disposition and collective immunity |
| Theoretical | Excitation and contraction of skeletal and smooth muscle **Clinical consideration** |
| VI  since  20.11.2024. | E6 | Practical | John Snow and cholera (descriptive method). |
| Theoretical | Sensory receptors, neuronal circuits for processing information **Clinical consideration** |
| VII  since  27.11..2024. | E7 | Practical | Smoking and lung cancer (case study and control). |
| Theoretical | Motor function of the spinal cord; The spinal reflexes **Clinical consideration** |
| VIII  since  04.12.2024. | E8 | Practical | Smoking and lung cancer (cohort study). |
| Theoretical | Hypothalamus; The Autonomic nervous system and the adrenal medulla **Clinical consideration** |
| IX  since  11.12.2024. | E9 | Practical | Field experiment. |
| Theoretical | Cardiac cycle; Normal electrocardiogram (ECG); ECG Interpretation; Vectoral Analysis **Clinical consideration** |
| X  since  18.12.2024. | E10 | Practical | Immunization (active) |
| XI  since  25.12.2024. | E11 | Practical | Immunization (passive). |

**TIMETABLE**

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| **Group** | **Type of Exercise** | **Day** | **Time** | **Place** | **Number of Classes** | **Teaching associate** | |
| G1 and G2 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-9:30 | Public Health Institute Republic of Srpska | 2 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-9:30 | Public Health Institute Republic of Srpska | 2 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-9:30 | Public Health Institute Republic of Srpska | 2 | Jelena Đaković Dević |
| G1 and G2 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G1 | Practical | Wednesday | 8:00-9:30 | Public Health Institute Republic of Srpska | 2 | Jelena Đaković Dević |
| G2 | Practical | Wednesday | 9:30-11:00 | Public Health Institute Republic of Srpska | 2 | Jelena Đaković Dević |
| G1 | Practical | Wednesday | 8:00-8:45 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |
| G2 | Practical | Wednesday | 8:45-9:30 | Public Health Institute Republic of Srpska | 1 | Jelena Đaković Dević |

G1 – group 1

G2 – group 2