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|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine | | | | | | | | | | |  | | | |
| ***Study program: medicine*** | | | | | | | | | | |
| Integrated academic studies | | | | | | III study year | | | | |
| **Full subject title** | | | EPIDEMIOLOGY | | | | | | | | | | | | | | |
| **Department** | | | Department of Primary Health Care and Public Health, Faculty of Medicine in Foča | | | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | | **Semester** | | | **ECTS** | | | |
|
| МЕ-01-1-025-5 | | | | | | compulsory | | | | | V | | | 6 | | | |
| **Professor/ -s** | | Full professor Biljana Mijovic, MD, PhD | | | | | | | | | | | | | | | |
| **Associate/ - s** | | senior assistant Milena Dubravac Tanaskovic, MD | | | | | | | | | | | | | | | |
| **Number of lectures/ teaching workload (per week)** | | | | | | | **Individual student workload (in hours per semester)** | | | | | | | | **Coefficient of student workload So[[1]](#footnote-2)** | | |
| **L** | **E** | | | | **SP** | | **L** | | | **E** | | **SP** | | | **L** | | |
| 2 | 3 | | | | 0 | | 2\*15\*1.4 | | | 3\*15\*1.4 | | 0\*15\*1.4 | | | 1,4 | | |
| total teaching workload (in hours, per semester)  2\*15+3\*15+0\*15=75 | | | | | | | | total teaching workload (in hours, per semester)  2\*15\*1.4+3\*15\*1.4+0\*15\*1.4=105 | | | | | | | | | |
| Total subject workload (teaching + student): 75+105=180 hours | | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | 1. Collect, analyze and interpret data on health disorders of different etiologies  2. Designing basic epidemiological studies  3. Application of epidemiological methods in the prevention of infectious and non-infectious diseases.  4. Exploring the epidemics | | | | | | | | | | | | | | | |
| **Preconditions** | | Requirement for taking the exam: all passed exams from the previous year of study | | | | | | | | | | | | | | | |
| **Teaching methods** | | Lectures, practical work, seminar work | | | | | | | | | | | | | | | |
| **Subject content per week** | | **Lectures**:  1. The subject of study and the significance of epidemiology. Epidemiology in public health practice. New directions of epidemiology development.  2. Indicators of the frequency of health disorders. Sources of data in epidemiology.  3. Causality in epidemiology and the concept of risk. Epidemiological triage  4. Types of epidemiological studies. Descriptive epidemiology and descriptive studies.  5. Analytical studies. Experimental studies.  6. Mistakes in epidemiological studies. Public health control  7. Prevention. Screening.  8. Reservoir and source of infection. Inbound and outbreak sites of infection.  9. Pathways of transmission of infectious diseases. Epidemiology of the environment.  10. Immunization. Exploring the epidemic.  11. Disease control measures. Intra-hospital infections.  12. Emergency epidemiology. Biological war and terrorism.  13. Epidemiology of chronic non-communicable diseases and strategies for their prevention. Epidemiology of cardiovascular diseases.  14. Epidemiology of malignant tumors. Epidemiology of chronic respiratory diseases.  15. Application of epidemiology in evidence-based medicine. Clinical epidemiology.  **Exercises:**  1. Indicators of frequency of health disorders.  2. Standardization.  3. Causality in epidemiology and the concept of risk.  4. Natural course of the disease.  5. Disposition and collective immunity.  6. John Snou and Cholera (Descriptive Method).  7. Smoking and lung cancer (case study and control).  8. Smoking and lung cancer (cohort study).  9. Field experiment.  10. Immunization (active).  11. Immunization (passive).  12. Screening of health disorders.  13. Exploring the epidemic.  14. Eradication and elimination of infectious diseases.  15. Intra-hospital infections. | | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title/Publisher** | | | | | | | | | **Year** | | | **Pages (from-to)** | |
| Gardis L | | | | Epidemiology, 5 th ed. Saunders, Philadelphia | | | | | | | | | 2014 | | |  | |
|  | | | | Workbook of Practical Session in Epidemiology; Belgrade, Faculty of Medicine, University of Belgrade | | | | | | | | | 2016 | | |  | |
| **Additional literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title/Publisher** | | | | | | | | | **Year** | | | **Pages (from-to)** | |
|  | | | |  | | | | | | | | |  | | |  | |
|  | | | |  | | | | | | | | |  | | |  | |
| **Student responsibilities, types of student assessment and grading** | | **Grading policy** | | | | | | | | | | | | **Points** | | | **Percentage** |
| Pre-exam activities | | | | | | | | | | | | | | | |
| lecture/exercise attendance | | | | | | | | | | | | 5 | | | 5% |
| Seminar paper | | | | | | | | | | | | 5 | | | 5% |
| case study - group work | | | | | | | | | | | | 20 | | | 20% |
| test / colloquium | | | | | | | | | | | | 20 | | | 20% |
| Final exam | | | | | | | | | | | | | | | |
| written exam | | | | | | | | | | | | 50 | | | 50% |
| TOTAL | | | | | | | | | | | | 100 | | | 100 % |
| **Certification date** | | December 13 th 2018 | | | | | | | | | | | | | | | |

\* the number of necessary rows is added by using *insert mode*

1. The coefficient of student workload So is calculated as it follows:

   а) for the study programs not going through the licensing process: So = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs)/ total teaching workload L+E in semester for all of the subjects \_\_\_\_\_ hrs = \_\_\_\_. Consult form content and its explanation.

   b) for the study programs going through the licensing process, it is necessary to use form content and its explanation. [↑](#footnote-ref-2)