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|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine | | | | | | | | | |  | | |
| ***Study program:medicine*** | | | | | | | | | |
| Integrated academic studies | | | | | I study year | | | | |
| **Full subject title** | | | METHODOLOGY OF SCIENTIFIC RESEARCH | | | | | | | | | | | | |
| **Department** | | | Department for general education subjects, Faculty of Medicine in Foča | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | **Semester** | | | **ECTS** | | |
|
| МЕ-01-1-006-2 | | | | | | compulsory | | | | II | | | 4 | | |
| **Professor/ -s** | | Full professor Dejan Bokonjić MD, PhD, assistant professor Srđan Mašić PhD | | | | | | | | | | | | | |
| **Associate/ -s** | |  | | | | | | | | | | | | | |
| **Number of lectures/ teaching workload (per week)** | | | | | | | **Individual student workload (in hours per semester)** | | | | | | | **Coefficient of student workload So[[1]](#footnote-1)** | |
| **L** | **E** | | | | **SP** | | **L** | | **E** | | **SP** | | | **So** | |
| 1 | 3 | | | | 0 | | 1\*15\*1 | | 3\*45\*1 | | 0\*15\*1 | | | 1 | |
| total teaching workload  1\*15+3\*45+0\*15=60 | | | | | | | total student workload  1\*15\*1+3\*45\*1+0\*15\*1=60 | | | | | | | | |
| Total subject workload (teaching + student): 60+60= 120 hours per semester | | | | | | | | | | | | | | | |
| **Learning outcomes** | | 1. Respecting ethical principles in scientific research  2. Application of quantitative and qualitative scientific methods  3. Constructing the survey questionnaire  4. Writing and publication of scientific work | | | | | | | | | | | | | |
| **Preconditions** | | No preconditions for listening the subject and taking the exam | | | | | | | | | | | | | |
| **Teaching methods** | | lectures, exercises | | | | | | | | | | | | | |
| **Subject content per week** | | **Lectures:**  1. Science, research work and its importance.  2. Ethics in scientific research.  3. Types of research.  4. Quantitative research.  5. Good clinical practice. Clinical experiment.  6. Qualitative research.  7. Data collection and measurement. Constructing questionnaires.  8. Types of scientific work. Authors and how to get it.  9. The structure of original scientific work and how to write it. Types of abstract.  10. How to write an introduction and method of original scientific work.  11. How to write the results and discussion of scientific work.  12. How to cite the used literature.Vancouver and Harvard-style of referencing.  13. Presentation of work (oral / poster).  14. Critical reading in medicine.  15 Evidence-based medicine.  **Exercises:**  1. Quantitative research (descriptive epidemiological studies, cross-sectional studies).  2. Quantitative research (case studies and control).  3. Quantitative research (cohort studies).  4. Quantitative research (experimental studies).  5. Qualitative research (focus group, interview).  6. Data collection.  7. Constructing the questionnaire.  8. The structure of original scientific work and how to write it. Types of abstract and writing.  9. How to write an introduction to original scientific work.  10. How to write a method of original scientific work.  11. How to write the results and discussion of scientific work.  12. Vancouver style of referencing.  13. Harvard style of referencing.  14. How to write a review.  15. Oral presentation of written work. | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title, Publisher** | | | | | | | | **Year** | | **Pages (from-to)** | |
| Savic, J. | | | | Metodologija naucnog saznanja I: Kako stvoriti naucno djelo u biomedicini 2. izdanje. Beograd: Data status | | | | | | | | 20013. | | 3-291 | |
|  | | | |  | | | | | | | |  | |  | |
| **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 | | | | | | | | | | | 10 | | 10% |
| case study – group work | | | | | | | | | | | 20 | | 20% |
| practical work | | | | | | | | | | | 20 | | 20% |
| Final exam | | | | | | | | | | | | | |
| test | | | | | | | | | | | 50 | | 50% |
| TOTAL | | | | | | | | | | | 100 | | 100 % |
| **Certification date** | | December 13 th 2018 | | | | | | | | | | | | | |

Responsible Person of the Faculty

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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

   b) for the study programs going through the licencing process, it is necessary to use form content and its explanation. [↑](#footnote-ref-1)