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|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine Foča | | | | | | | | | | | logo | | | |
| ***Study program: Nursing*** | | | | | | | | | | |
| First study cycle | | | | | | First study year | | | | |
| **Full subject title** | | | **HEALTHCARE INFORMATICS** | | | | | | | | | | | | | | |
| **Department** | | | Department of Preclinical Subjects, Faculty of Medicine Foča | | | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | | **Semester** | | | **ECTS** | | | |
|
| NU-05-1-004-1 | | | | | | compulsory | | | | | I | | | 2 | | | |
| **Professor/ -s** | | Srđan Mašić, Associate Professor, Nataša Milić, Full Professor | | | | | | | | | | | | | | | |
| **Associate/ -s** | | Dragan Spaić, senior assistant | | | | | | | | | | | | | | | |
| **Number of lectures/ teaching workload (per week)** | | | | | | | **Individual student workload (in hours per semester)** | | | | | | | | | **Coefficient of student workloadSo[[1]](#footnote-1)** | |
| **L** | **E** | | | | **SP** | | **L** | | | **E** | | **SP** | | | | **So** | |
| 1 | 2 | | | | 0 | | 5 | | | 10 | | 0 | | | | 0,33 | |
| total teaching workload (in hours, per semester)  15+30+0=45 | | | | | | | | total student workload (in hours, per semester)  5+ 10+0 =15 | | | | | | | | | |
| Total subject workload (teaching + student): 45 + 15= 60 сати per semester | | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | 1. Mastering the knowledge and informatics skills necessary for the implementation of nursing tasks and ensuring nursing practice standards. 2. This includes the use of information technologies in the process of delivering healthcare. 3. Using effective administrative systems and managing information. 4. Improving communication to enhance the health of the population, community, family, and individuals, as well as providing continuous support for learning. | | | | | | | | | | | | | | | |
| **Preconditions** | | No preconditions | | | | | | | | | | | | | | | |
| **Teaching methods** | | Lectures, exercises, seminar papers and colloqium | | | | | | | | | | | | | | | |
| **Subject content per week** | | **Lectures:**   1. Introduction to Medical Informatics 2. Medical Information Processes 3. Medical Information, Data, and Knowledge 4. Quality Criteria for Health-Related Websites 5. Searching Bibliographic Databases 6. Medical Decision-Making and Typical Medical Decisions 7. Diagnostic Process and Diagnosis Formulation 8. Probability Revision Method Using Bayes' Theorem 9. Decision Support Information Systems in Medicine 10. Treatment/Therapy Selection 11. Data, Information, and Knowledge Flow in Healthcare Systems 12. Health Information System 13. Electronic Health Documentation 14. Structure of the Health Information System 15. Standards and Data Protection   **Exercises:**   1. Introduction to Medical Informatics 2. Medical Information Processes 3. Medical Information, Data, and Knowledge 4. Quality Criteria for Health-Related Websites 5. Searching Bibliographic Databases 6. Medical Decision-Making and Typical Medical Decisions 7. Diagnostic Process and Diagnosis Formulation 8. Probability Revision Method Using Bayes' Theorem 9. Decision Support Information Systems in Medicine 10. Treatment/Therapy Selection 11. Data, Information, and Knowledge Flow in Healthcare Systems 12. Health Information System 13. Electronic Health Documentation 14. Structure of the Health Information System 15. Standards and Data Protection | | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Author/s** | | | | | | | | | **Author/s** | | | **Author/s** | |
| Stewart Fist | | | | The Informatics Handbook | | | | | | | | | 1996 | | |  | |
| **Additional literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Author/s** | | | | | | | | | **Author/s** | | | **Author/s** | |
|  | | | |  | | | | | | | | |  | | |  | |
|  | | | |  | | | | | | | | |  | | |  | |
| **Student responsibilities, types of student assessment and grading** | | **Grading policy** | | | | | | | | | | | **Points** | | | | **Percentage** |
| Pre-exam activities | | | | | | | | | | | | | | | |
| lecture/exercise attendance | | | | | | | | | | | 10 | | 10% | | |
| tests | | | | | | | | | | | 16 | | 16% | | |
| seminars | | | | | | | | | | | 24 | | 24% | | |
|
|
| Final exam | | | | | | | | | | | | | | | |
| final test | | | | | | | | | | | 50 | | 50% | | |
| TOTAL | | | | | | | | | | | 100 | | 100 % | | |
| **Certification date** | | December 2024. | | | | | | | | | | | | | | | |

1. 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 semesterfor all the subjects 900 hrs – total teaching workload L+Ein semester for all the subjects 870 hrs)/ total teaching workload L+Ein semesterfor 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)