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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine | | | | | | | | | | |  | | |
| ***Study program:medicine*** | | | | | | | | | | |
| Integrated academic studies | | | | | | I study year | | | | |
| **Full subject title** | | | INFORMATICS IN MEDICINE | | | | | | | | | | | | | |
| **Department** | | | Chair for Primary Health Care and Public Health, Faculty of Medicine in Foca | | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | | **Semester** | | | **ECTS** | | |
|
| МЕ-01-2-009-2 | | | | | | elective | | | | | II | | | 1 | | |
| **Professor/ -s** | | associate professor. Natasa Milic PhD, assistant professor Srdjan Masic, MA, 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** | |
| 0 | 1 | | | | 0 | | 0\*15\*1 | | | 1\*15\*1 | | 0\*15\*1 | | | 1 | |
| total teaching workload (in hours, per semester)  0\*15 + 1\*15 + 0\*15 = 15 | | | | | | | | total student workload (in hours, per semester)  0\*15\*1+ 1\*15\*1+ 0\*15\*1= 15 | | | | | | | | |
| Total subject workload (teaching + student): 15 + 15 = 30 hours per semester | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | Mastering the knowledge and skills of the use of information and communication technologies in the process of finding, keeping, creation and use of electronic materials for learning, and the use and evaluation of information and knowledge in medical practice. Knowledge acquired during the course of teaching allows the student of medicine to effectively use modern information and communication technologies in the learning process. Acquired knowledge and skills are used in all medical disciplines during and after the completion of studies. | | | | | | | | | | | | | | |
| **Preconditions** | | - | | | | | | | | | | | | | | |
| **Teaching methods** | | Teaching under supervision consists of lectures, seminars, case studies and exercises (including group discussions of predefined content, demonstration of different tools and software, and use of online resources (articles, books, databases), consultations and exams. | | | | | | | | | | | | | | |
| **Subject content per week** | | **Exercises:**  1. Introduction to Medical Informatics  2. Tools of information and communication technologies in the process of learning in medicine  3. Evaluation of the quality of websites that relate to health  4. Quality criteria for sites relating to health  5. Searching bibliographic databases  6. Medline, PubMed  7. Medical decision-making – diagnosis  8. Diagnostic tests  9. Sensitivity and specificity - probability of disease after the test  10. Informal and formal decision-making in medicine  11. Medical decision-making - choice of treatment  12. Medical decision-making - the choice of therapy  13. Health information system  14.Electronic health / medical documentation  15.European Health Network | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | |
| **Author/s** | | | | | **Publication title, Publisher** | | | | | | | | **Year** | | **Pages (from-to)** | |
|  | | | | |  | | | | | | | |  | |  | |
| **Additional literature** | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title, Publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | |
| Eric Marinkovic, J., Kocev, N. | | | | Medicinska informatika Available at http://www.mfub.bg.ac.rs/dotAsset/38236.pdf | | | | | | | | |  | |  | |
| Eric Marinkovic, J., Simic, S., Bozovic, Z., Dacic, M. aand Kocev, N.. | | | | Mali recnik informatike u medicini i zdravstvu. Available at http://www.mfub.bg.ac.rs/dotAsset/38234.pdf | | | | | | | | |  | |  | |
| **Student responsibilities, types of student assessment and grading** | | **Grading policy** | | | | | | | | | | | | **Points** | | **Percentage** |
| Pre-exam activities | | | | | | | | | | | | | | |
| exercise attendance | | | | | | | | | | | | 15 | | 15% |
| seminar papers | | | | | | | | | | | | 35 | | 35% |
| Final exam | | | | | | | | | | | | | | |
| written test | | | | | | | | | | | | 50 | | 50% |
| Total | | | | | | | | | | | | 100 | | 100 % |
| **Web page** | | http://infostat.mf-foca.edu.ba/index.php/studije-medicine/informatika-u-medicini | | | | | | | | | | | | | | |
| **Certification date** | | December 13 th 2018 | | | | | | | | | | | | | | |

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

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 licensing process: So = (total workload in semester for all the 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)