
			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
ME-02-2-009-2			elective		II		1
Professor/ -s			assoc. prof. Natasa Milic				
Associate/ -s							
Number of lectures/ teaching workload (per week)			Individual student workload (in hours per semester)			Coefficient of student workload S_0 ¹	
L	E	SP	L	E	SP	S_0	
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.					
General competences		They possess broad fundamentals of theoretical knowledge and practical skills, preparing them for any type of postgraduate education as well as for collaboration with other medical professionals. They are prepared for further development and advances within the field of medicine. They are acquainted with the structure, organisation and financing of health systems. They are eager to collaborate with other medical professionals. They are conscious of the necessity for continuous learning and improvement process to maintain a high level of medical competence.					
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)	
Milic, N., Stanisavljevic, D., Trajkovic, G., Bukumiric, Z., Milicic, B., Gajic, M., Masic.		Biomedicinska informatika, Medicinski fakultet u Foci			2016		

¹ Coefficient of student workload S_0 is calculated as it follows:

a) for the study programs not going through the licensing process: $S_0 = (\text{total workload in semester for all the subjects } 900 \text{ hrs} - \text{total teaching workload } L+E \text{ in semester for all the subjects } 870 \text{ hrs}) / \text{total teaching workload } L+E \text{ in semester for all the subjects } ______ \text{ hrs} = ______$. 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.

S.			
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 rechnik 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
	Pre-exam activities		Percentage
	exercise attendance	15	15%
	seminar papers	35	35%
	Final exam		
	test	50	50%
Total		100	100 %
Web page	http://infostat.mf-foca.edu.ba/index.php/studije-medicine/informatika-u-medicini		
Certification date	June 17th 2024		

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