
	UNIVERSITY OF BANJA LUKA FACULTY OF MEDICINE			
	UNDERGRADUATE STUDIES			
	Study Programme of	MEDICINE		
Course Unit Name	Medical Statistics			
Type of Course Unit	General Education			
Course Unit Code	Course Unit Status	Semester	Class Workload	Number of ECTS
TO BE DESIGNATED	COMPULSORY	IV	2L + 2P	4
Members of Staff	Dr Ivan Soldatović, assistant professor			
Eligibility Requirements			Form of Requirements	
			As provided by the Rules of Study at the integrated study programme of medicine.	
Goals of the Course Unit				
The Goals of the Course Unit Medical Statistics are for the students, future medical doctors, to acquire the skills and knowledge of present-day scientific methodology and statistics in order to understand and participate in the scientific research process, understanding scientific literature, as well as in the organization, gathering and processing data and presenting results of medical studies.				
Learning Outcomes (knowledge acquired):				
After mastering the theoretical and practical subject-matter in medical statistics, the students will have mastered the skills and theoretical knowledge needed for planning a study, gathering, processing and analyzing data, displaying results and reaching conclusions on an issue. The acquired knowledge will enable the students to actively participate in scientific research, creating study protocols, defining goals and hypotheses and drafting reports, i.e. publication in line with the principles of present-day scientific research practice. The theoretical and practical knowledge will help the students, future medical doctors, to understand the results of scientific research publications and thus further their own theoretical and practical knowledge.				
Contents of the Course Unit:				
Fundamentals of Medical Statistics. Basic terms in statistics. Probability and probability distribution. Sampling. Data processing. Statistical description of data. Basic set parameter evaluation and statistical conclusion. Statistical analysis. Parameter methods for difference testing. Non-parameter methods for difference testing. Testing correlation. Diagnostic accuracy.				
Teaching Methods:				
The classes are given in the form of lectures, practicals, midterms, office hours, and independent student work				
Literature:				
Јаношевић С, Дотлић Р, Ерић Маринковић Ј. Медицинска статистика 6-то издање. Медицински факултет, Београд 2013.				
Examination Form:				
Pre-Exam Duties		Final Exam		Total Points
Attendance	10	Oral / Written	50	100
Midterm (1)	40			
Seminar paper	-			
Note for the Course Unit:				
Syllabus Designer: Dr Ivan Soldatović, assistant professor				