

Study program: Integrated academic studies of Pharmacy			
Type and level of the study program: integrated academic studies			
Course title: STATISTICS IN PHARMACY (PhII-STAT)			
Teacher: Zagorka S. Lozanov Crvenković			
Course status: compulsory			
ECTS Credits: 4			
Condition: -			
Course aim Students are offered to learn about basic concepts of statistics and its application in pharmacy.			
Expected outcome of the course: Students acquire basic concepts of statistics: population, sample, characteristics, types of characteristics, assessment of parameters, testing statistical hypotheses. Students learn how to solve basic statistical problems, to evaluate parameters, how to state statistical hypotheses based on problems common in pharmacy, as well as to perform complete hypothesis testing.			
Course description <i>Theoretical education</i> Presentation of statistical data. Numerical characteristics of features. Theoretical classifications. Sample, statistics. Parameter estimation. Hypotheses testing. Analysis of variance. Correlation and regression. Non-parameter methods. <i>Practical education: exercises</i> Presentation of statistical data. Numerical characteristics of features. Theoretical classifications. Sample, statistics. Parameter estimation. Hypotheses testing. Analysis of variance. Correlation and regression. Non-parameter methods.			
Literature <i>Compulsory</i> M. Bland, An introduction to medical statistics, Oxford University Press, 1996. <i>Additional</i> -			
Number of active classes			Other:
Lectures: 30	Practice: 30	Other types of teaching:	
Teaching methods			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures		Written	50
Practices		Oral	
Colloquium	50	
Essay			