Study program: Integrated Academic Studies in Pharmacy	
Course title: Statistics in Pharmacy	
Teacher: Zagorka S. Lozanov-Crvenković, Milica Žigić, Mirjana Štrboja	
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, variables, probability distributions, estimation of parameters, testing statistical hypotheses. Students will learn how to solve basic statistical problems, to estimate parameters, how to state statistical hypotheses based on problems common in pharmacy, as well as to perform complete hypothesis testing.	
Course description *Theoretical education* Presentation of statistical data. Numerical characteristics of variables. Theoretical distributions. Sample, statistics. Parameter estimation. Hypotheses testing. Analysis of variance. Correlation and regression. Non-parameter methods. *Practical education: exercises* Presentation of statistical data. Numerical characteristics of variables. Theoretical distributions. Sample, statistics. Parameter estimation. Hypotheses testing. Analysis of variance. Correlation and regression. Non-parameter methods.	
Literature *Compulsory* M. Bland, An introduction to medical statistics, Oxford University Press,1996. *Additional* -	

Number of active classes	**Theory:** 30		**Practice:** 30	
Teaching methods				
Student activity assessment (maximally 100 points)				
Pre-exam activities	points	**Final exam**		points
Lectures		Written		50
Practices		Oral		
Colloquium	50	....		
Essay				