

Course title: Business statistics			
Lecturer: Ljiljana Cvetković			
Course status: Required, Third Semester			
ECTS:7			
Requirement: none			
Course aims To familiarize students with basic concepts and methods of business statistics.			
Course outcome Understanding and mastering the basic statistical methods and solving specific problems. Correct statistical thinking.			
Course content			
Theory classes			
<i>Descriptive statistics:</i>			
<ul style="list-style-type: none"> ➤ <i>Collection, presentation and analysis of statistical data.</i> ➤ <i>Population and sample.</i> ➤ <i>Measures of central tendency.</i> ➤ <i>Waste measures.</i> ➤ <i>Position measures.</i> 			
<i>Elements of the probability theory. Random variables. Distributions.</i>			
<i>Inferential statistics:</i>			
<ul style="list-style-type: none"> ➤ <i>Conclusion from sample to population.</i> ➤ <i>Confidence intervals.</i> ➤ <i>Testing hypothesis.</i> ➤ <i>ANOVA</i> ➤ <i>Correlation and regression.</i> ➤ <i>Time series.</i> ➤ <i>Indexes.</i> 			
Practice classes			
<i>The exercises cover practical examples that follow the lecture.</i>			
Recommended Literature			
<ol style="list-style-type: none"> 1. Ljiljana Cvetković: „Poslovna statistika“, Futura publikacije, Novi Sad, 2006. 2. Michael III Sullivan: „Statistics:Informed Decisions Using Data 2ed“, Prentice Hall, 2007. 3. Alan Agresti, Christine Franklin: „Statistics:The Art and Science of Learning From Data“, Prentice Hall, 2007. 			
Number of active teaching classes	Theory classes: 2		Practice classes: 2
Teaching methods: Theory classes accompanied by numerous examples. Independent work in exercises.			
Knowledge assessment			
Pre-exam tasks	points	Final exam	points
In-class activity		written exam	40
Practice classes		oral exam	
Mid-term tests	60		
Seminar papers			