Level: master		
Course title: Statistical modelling (MB-20)		
Lecturer: Zagorka Lozanov-Crvenković		
Status: elective		
ECTS: 5		
Requirements: none		
Learning objectives		
Acquiring knowledge and skills in advanced statistical met	hods.	
Learning outcomes		
Students will learn the theoretical notions in several statisti	cal methods, and will be ab	ble to solve
the practical problems using statistical software.		
Syllabus		
Theoretical instruction		
Sample theory, regression analysis - linear, nonlinear, mult	tiple. Testing model coeffic	cients.
Analysis of residuals. Logistic regression, analysis of time	series.	
Practical instruction		
Sample theory, regression analysis – linear, nonlinear, mult	tiple. Testing model coeffic	cients.
Analysis of residuals. Logistic regression, analysis of time	series.	
Analysis of residuals. Logistic regression, analysis of time Literature	series.	
Analysis of residuals. Logistic regression, analysis of time Literature 1. Загорка Лозанов-Црвенковић, Статистика, ПМФ	series. р, Нови Сад, 2012.	
Analysis of residuals. Logistic regression, analysis of timeLiterature1. Загорка Лозанов-Црвенковић, Статистика, ПМФ2. R. S. Tsay, Analysis of Financial Time series, Wil	series. 9, Нови Сад, 2012. еу, 2002.	
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 Analysis of residuals. Logistic regression, analysis of time Literature Загорка Лозанов-Црвенковић, Статистика, ПМФ R. S. Tsay, Analysis of Financial Time series, Wil Др Љиљана Петровић, Теорија узорака и планир Београду, Економски факултет, 2009 	series. 9, Нови Сад, 2012. еу, 2002. рање експеримената, Униг	верзитет у
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Grading method (maximum number of points 100)				
Pre-exam obligations	points	Final exam	points	
Colloquia	50	Oral exam	50	