

## Specification of the course for the Book of courses

<b>Study program</b>		Applied statistics		
<b>Title of the course</b>		<b>Econometrics</b>		
<b>Teachers (for lectures)</b>		Vesna Janković-Milić		
<b>Teacher/fellow teacher (for exercises)</b>				
<b>ESPB</b>	6	<b>Status of the course (obligatory (O) /elective (E))</b>	E (Obligatory in Module Statistics in Economy)	
<b>Conditions</b>				
<b>Aim of the course</b>	Introduction of concepts and methods of modern econometric analysis. Attention is paid to problems of formulation of regression models in terms of covering relationship of interdependence of economic phenomena and knowledge in the field of evaluation, testing and interpretation of econometric models of various types.			
<b>Course outcomes</b>	Functional knowledge of regression methods, conditions of applicability, and their main advantages and disadvantages. The ability to define and practical application of appropriate model for the type of problem.			
<b>Content of the course</b>				
<b>Theoretical classes</b>	The basics of econometrics. One-dimensional regression. Multidimensional regression. Ratings and statistical significance. Omission of relevant variables. Inclusion of irrelevant variables. Heteroscedasticity. Autocorrelation.			
<b>Practical classes</b>	Tasks and problems are solved, practical lessons follow the content of teaching, ie. theoretical instruction. Usage of statistical software.			
<b>References</b>				
1	G.S. Maddala: Introduction to econometrics, John Wiley & Sons, 3 <sup>rd</sup> edition, 2001.			
2	W.H.Greene: Econometric analysis, 5 <sup>th</sup> ed., Prentice Hall, 2003.			
3	Kiš T. Et al, Quantitative Methods in Economics, Faculty of Economics, Subotica, 2005 (in Serbian).			
4	Baltagi, B. H., Econometrics, Springer, 2002			
<b>The number of contact hours per week during the semester / trimester / year</b>				
<b>Lectures</b>	<b>Exercises</b>	<b>DON</b>	<b>Research work</b>	<b>Other classes</b>
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<b>Teaching methods</b>	lectures, exercises, analysis of examples with applications, writing reports about statistical analysis			
<b>Evaluation of knowledge (maximum score 100)</b>				
<b>Pre exam duties</b>		<b>points</b>	<b>Final exam</b>	<b>points</b>
<b>Activity during lectures</b>		5	<b>Oral exam</b>	40
<b>Activity during exercises</b>		5		
<b>colloquia</b>		30		
<b>seminars</b>		20		