Course title: Mathematic and statistical research methods in geography and tourism (DGT102)			
Professor: Hadzic L. Olga, PhD			
Course status: elective			
ECTS: 11			
Requirements: None			
Learning objectives: Introduction to advanced statistical methods used in natural sciences, with a focus on geography and tourism.			
Learning outcomes: Mastering the selected statistical methods and ability to solve practical problems by using statistical software.			
Course content Regression – linear, non-linear, multiple, non-parameter methods, analysis of principle components, cluster analysis, correspondence analysis, models applicable in geography and tourism.			
Suggested literature 1. З. Лозанов-Црвенковић, Статистика, скрипта 2. З. Лозанов-Црвенковић, Б. Суботић, Пословна статистика, Мегатренд универзитет, Факултет за менаџмент у Зајечару, 2006.			
Number of classes of active lecture	classes: 4 (60)	Study research task:	
Methods of lecturing Classical lecturing methods used in class, supported by computers for illustrative content. Theoretical lectures and practical tasks using statistical software: Excel, Statistica, Mathematica, SPSS.			
Grade (maximum number of points 100)			
Pre-examination tasks	Points	**Final exam**	**Points**
Essay	**50**	*Oral exam*	**50**