

Course Unit Information Sheet

University: <i>Alexander Dubček University in Trenčín</i>	
Faculty: <i>Faculty of Social and Economic Relations</i>	
Course unit code: <i>LZPV8</i>	Course unit title: <i>Quantitative Analyses in Personnel Management</i>
Planned types, learning activities and teaching methods: <i>2/2 weekly</i>	
Number of credits: <i>5</i>	
Recommended semester/trimester: <i>2nd semester</i>	
Degree of study: <i>III (PhD.)</i>	
Course prerequisites: <i>-</i>	
Assessment methods: <i>Continuous assessment: active and creative participation of students during seminars, students must attend at least 80% of all seminar sessions, master and use proper terminology, have the subject matter knowledge. Two written examinations during the semester. Under continuous assessment, students are required to achieve at least 50 score points to pass. Final assessment: a written examination to test the students' understanding of the recommended reading and an oral examination to test the students' ability to apply the knowledge in line with the course unit learning outcomes. Students may earn the total score of 100 points. The grading system is following: (E) – 70 points, (D) – 75 points, (C) – 80 points, (B) – 85 points, (A) – 90 points.</i>	
Learning outcomes: <i>Upon the course unit completion, students will be familiar with statistical terms and selected quantitative methods. Students should master the required theory related to statistical and selected quantitative methods. Students should be able to apply the theoretical knowledge acquired in accordance with the course unit syllabus. Upon the successful course unit completion, students should be able to evaluate quantitative survey data and understand the resulting evaluations in line with the course unit syllabus.</i>	
Course unit contents:	
<ol style="list-style-type: none"> 1. <i>Statistical analysis of individual variables.</i> 2. <i>Statistical analysis of dependence.</i> 3. <i>Statistical comparison of dependent data.</i> 4. <i>Statistical comparison of independent data.</i> 5. <i>Models of unilateral dependence – characteristics of logistic regression.</i> 6. <i>Models of unilateral dependence – interpretation of logistic regression results.</i> 7. <i>Identifying category similarities – factor analysis.</i> 8. <i>Identifying category similarities – main component analysis.</i> 9. <i>Identifying category similarities – cluster analysis.</i> 10. <i>Quantitative methods to assess effectiveness.</i> 11. <i>Data envelope analysis models – specification.</i> 12. <i>Characteristics of basic data envelope analysis models.</i> 13. <i>Application of data envelope analysis models and interpretation of results.</i> 	
Recommended reading:	
<p><i>Grmanová, E. (2015). Základy zo štatistiky. Trenčín: TnUAD.</i></p> <p><i>Řezanková, H. (2010). Analýza dat z dotazníkového šetření. Praha: Professional Publishing.</i></p> <p><i>Grmanová E. (2010). Hodnotenie efektívnosti komerčných poisťovní a bánk modelmi analýzy obalu dát. Trenčín: TnUAD.</i></p> <p><i>Subhash, C. R. Data Envelopment Analysis. Theory and Techniques for Economics and Operational Research. Cambridge: Cambridge University.</i></p>	
Language: <i>Slovak</i>	
Remarks: <i>The course unit is offered in the 1st year of study, full time/summer semester or in the 2nd year of study, part-time/winter semester. A compulsory - optional course unit.</i>	
Evaluation history	

Total number of students assessed: 0					
A	B	C	D	E	FX
a	b	c	d	e	Fx
Lecturer: Assoc. Prof. RNDr. Daniela Hricišáková, PhD. – course unit lecturer					
Last modification: March 30, 2016					
Supervisors: Prof. Ing. Mag. Dr. Herbert Strunz, PhD., Assoc. Prof. Mgr. Sergej Vojtovič, DrSc., Assoc. Prof. Ing. Adriana Grenčíková, PhD. – guarantors of the Human Resources and Personnel Management program of study					