

<b>Subject title: Applied Quantitative Methods</b>			
Subject status	Semester	Credit value	Teaching load
Compulsory	I	6	2L+2T
Study programme: MBA in Management, Finance and Agribusiness			
Responsible staff: Peter Balough, UD and Janko Radulovic, UM			
Pre-requisite: Nil			
Objectives: To get the students acquainted with the use of quantitative methods in businessg			
Learning approach:			
Lectures:		30 hours	
Individual work/team work:		30 hours	
		60 hours	
Assessment:			
Oral: Presentation			
Written: Prepare a case study using the quantitative methods			
SYLLABUS:			
<ul style="list-style-type: none"> <li>• Quantitative information, The quantitative approach, Managing data, Survey methods, Presentation of data</li> <li>• Descriptive statistics, Measures of location, Measures of dispersion, Index numbers</li> <li>• Measuring uncertainty, Probability, Discrete probability distributions, The normal distribution, Statistical inference, Confidence intervals, Significance testing, Non-parametric tests</li> <li>• Relating variables and predicting outcomes, Correlation, Regression, Multiple regression and correlation, Time series</li> <li>• Modelling, Linear programming models, Simulation</li> </ul>			
Reading list and references:			
Compulsory literature:			
Jon Curwin and Roger Slater: Quantitative Methods for Business Decisions, Sixth edition, Cengage Learning Business Press, ISBN-13: 978-1861525314			
Recommended literature:			
David R. Anderson, Dennis J. Sweeney, Thomas A. Williams, Jeffry D. Camm, Kipp Martin: Quantitative Methods for Business, Cengage Learning Business Press, (2010) ISBN-13: 978-0-324-65175-1			