University: P. J. Šafá	rik University in Košice	
<b>Faculty:</b> Faculty of A	urts	
<b>Course ID:</b> ÚMV/ ZSM/14	Course name: Basic Methods of Statistic	
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	re rse-load (hours): dy period: 28	
Number of credits: 4		
Recommended seme	ster/trimester of the course:	
Course level: N		
Prerequisities:		
<b>Conditions for cours</b> Working out an indiv		
<b>Learning outcomes:</b> Understanding basics	s of descriptive statistics used in sciences.	
<ul> <li>Brief outline of the course:</li> <li>Process of measurement. Data types. Frequencies.</li> <li>Basic characteristics of data: measures of location and variability, quantiles.</li> <li>Basic probability distributions.</li> <li>Point and interval estimators.</li> <li>Testing of basic statistical hypotheses. Power of tests.</li> <li>Measuring the strength of a dependence. Foundations of regression.</li> </ul>		
	ature: cott: Introductory Statistics, Wiley 1977 cott: Statistics Textbook (http://www.statsoft.com/Textbook), Statsoft, 2014	
<b>Course language:</b> Slovak		
Notes:		
<b>Course assessment</b> Total number of asses	ssed students: 0	
Provides: doc. RNDr	. Ivan Žežula, CSc.	
Date of last modifica	tion: 03.05.2015	
Approved:		

University: P. J. Šafár	rik University in Košice
Faculty: Faculty of A	rts
<b>Course ID:</b> ÚMV/ DAM/14	Course name: Data Mining
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	re rse-load (hours): Idy period: 28
Number of credits: 4	
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for cours Continuous assesmen	•
Practical skills for so	sic concepts of data mining and basic usage of freely available softwares. Iving simple data mining tasks in small or medium siyed data sets (e.g. data easured for a final thesis).
21	course: heir pre-processing; regression and classification; clustering; mining frequent ion rules; freeware data mining programs; the CRISP-DM methodology
Kaufmann, ISBN 978	eline Kamber, Jian Pei. Data Mining: Concepts and Techniques. Morgan 8-0123814791, 2011. ichael Steinbach, Vipin Kumar. Introduction to Data Mining. Addison-
<b>Course language:</b> Slovak	
0 0	
Slovak	
Slovak Notes: Course assessment	ssed students: 0

Approved:

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of A	Arts
<b>Course ID:</b> ÚMV/ MAD/14	Course name: Data Modelling and Analysis by Means of CAS Systems
Course type, scope a Course type: Lectur Recommended cou Per week: 2 Per stu Course method: pre	re rse-load (hours): Idy period: 28
Number of credits: 4	1
Recommended seme	ester/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for course examination based of system	se completion: n working-out the solution of a given real problem using a computer algebra
<b>Learning outcomes:</b> To provide knowled algebra systems.	ge and skills for mathematical modelling and data analysis using computer
language syntax. Da	course: hematica CAS systems: comparison, environment, basic functionality and ata import and export, visualizations and analyses. Basic and advanced natical modelling using CAS.
I. Shingareva, C. Liz Mathematics, Spring	ature: to Maple / Mathematica arrága-Celaya: Maple an Mathematica. A Problem Solving Approach for er-Verlag/Wien, 2007, 2009 n to Maple, Springer-Verlag, New York, 2003
<b>Course language:</b> Slovak or English	
Notes:	
<b>Course assessment</b> Total number of asse	ssed students: 0
Provides: doc. RNDr	. Tomáš Madaras, PhD.
Date of last modifica	ntion: 03.05.2015

University, D I Šefér	rik University in Košice
<b>Faculty:</b> Faculty of A	
Course ID: ÚMV/ VRS/14	Course name: Multidimensional Statistical Methods
Course type, scope a Course type: Lectur Recommended cour Per week: 2 Per stu Course method: pre	e ·se-load (hours): dy period: 28
Number of credits: 4	
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Learning outcomes:	e completion: partial examination and working out an individual project.
<b>Brief outline of the c</b> Multivariate data. D	
Recommended litera 1. Ho, R.: Handbook Chapman & Hall/CR 2. Garson, D.: PA 765	ture: of univariate and multivariate data analysis and interpretation in SPSS,
<b>Course language:</b> Slovak	
Notes:	
<b>Course assessment</b> Total number of asses	ssed students: 0
Provides: RNDr. Dan	iel Klein, PhD.
Date of last modifica	tion: 03.05.2015
Approved:	