University: P I Šafái	rik University in Košice
Faculty: Faculty of M	
Course ID: 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	e ·se-load (hours): dy period: 28
Number of credits: 4	
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for cours Working out an indiv	
Learning outcomes: Understanding basics	of descriptive statistics used in sciences.
 Basic characteristics Basic probability dis Point and interval es Testing of basic stat 	nent. Data types. Frequencies. s of data: measures of location and variability, quantiles. stributions.
	ture: cott: Introductory Statistics, Wiley 1977 Statistics Textbook (http://www.statsoft.com/Textbook), Statsoft, 2014
Course language: Slovak	
Notes:	
Course assessment 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 M	Iedicine
Course ID: ÚMV/ DAM/14	Course name: Data Mining
Course type, scope an Course type: Lectur Recommended cour Per week: 2 Per stue Course method: pre	re rse-load (hours): dy period: 28
Number of credits: 4	4
Recommended semes	ster/trimester of the course:
Course level: N	
Prerequisities:	
Conditions for course Continuous assesmen	-
Practical skills for sol	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).
<i>v</i> 1	ourse: heir pre-processing; regression and classification; clustering; mining frequent ion rules; freeware data mining programs; the CRISP-DM methodology
Kaufmann, ISBN 978	line Kamber, Jian Pei. Data Mining: Concepts and Techniques. Morgan 8-0123814791, 2011. ichael Steinbach, Vipin Kumar. Introduction to Data Mining. Addison-
Course language: Slovak	
Notes:	
Course assessment	
Total number of asses	ssed students: 0
Total number of asses Provides: RNDr. Tom	

Approved:

University: P. J. Šafá	rik University in Košice
Faculty: Faculty of N	Iedicine
Course ID: ÚMV/ MAD/14	Course name: Data Modelling and Analysis by Means of CAS Systems
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:	
Conditions for cours examination based or system	e completion: n working-out the solution of a given real problem using a computer algebra
Learning outcomes: To provide knowledg algebra systems.	ge and skills for mathematical modelling and data analysis using computer
language syntax. Da	bourse: 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. Lizz Mathematics, Spring	nture: 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
Course language: Slovak or English	
Notes:	
Course assessment Total number of asse	ssed students: 0
Provides: doc. RNDr	. Tomáš Madaras, PhD.
Date of last modifica	tion: 03.05.2015

University: P. J. Šafár	rik University in Košice
Faculty: Faculty of M	Iedicine
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	re rse-load (hours): dy period: 28
Number of credits: 4	
Recommended seme	ster/trimester of the course:
Course level: N	
Prerequisities:	
Learning outcomes:	partial examination and working out an individual project.
	ourse: Dependence measures. Contingency tables. Regression analysis. Logistic of variance. Basics of time series. Cluster analysis.
Chapman & Hall/CR 2. Garson, D.: PA 765	of univariate and multivariate data analysis and interpretation in SPSS,
Course language: Slovak	
Notes:	
Course assessment Total number of asses	ssed students: 0
Provides: RNDr. Dan	iel Klein, PhD.
Date of last modifica	tion: 03.05.2015
Approved:	