

General Information			
Course name	Introduction to Statistical Methods	ECTS Credits	6
		Semester	summer
Aims			
<p>Graduate of the subject is able to realize with understanding every basic steps in descriptive statistics (creation of databases, graph representation of data distributions, gaining and interpretation of mean and variability indicators). He understands character of induction in statistics and is able to apply common statistical testing of differences (parametric and nonparametric). He is able independently to find out relationships between variables of different types and also, to realize simple linear regression</p>			
Contents			
<p>Brief outline of the course: meaning, structure and nature of statistical methods – graphic and numerical representation of data files – determination of nature and closeness between the variables – probability – its character, determination and meaning in statistics – statistical judgment (hypotheses and algorithms) – difference statistics: parametric and non-parametric</p>			
Evaluation			
<ul style="list-style-type: none"> - active participation on labs - working up and sending (on time) all homework - obtaining minimally 50 points for both aforementioned groups of activities 			
Bibliography			
<ol style="list-style-type: none"> 1. FERJENČÍK, J.: Základy statistických metod v sociálnych vedách. Košice: UPJŠ, 2006 JELEŇOVÁ, I.: Zbierka úloh zo základov štatistiky pre sociálne vedy. Košice: UPJŠ, 2012 2. HENDL, J.: Přehled statistických metod zpracování dat. Praha: Portál, 2004 3. www.statsoft.com/textbook/stathome.html 1. www.prenhall.com/mcclave 2. http://badame.vse.cz/iastat 3. CLAUSS, G., EBNER, H.: Základy štatistiky pre psychologov, pedagogov a sociológov. Bratislava: SPN, 1988 			