Course Information Sheet

University: *University of Prešov*	
Faculty: *Faculty of humanities and natural sciences*	
Code: *2EKO/STAT1/22*	**Title of Course: Statistics for Ecologist 1**
Form of Study: *lecture, practical seminar* **Number of contact hours:** **per week:** *2 hours of lecture/1 hour of practical seminar* **per level/semester:** *20 hours of lectures, 10 hours of practical seminars, 60 hours of self-study and individual work in the PAST program, 30 hours - assignment work*	
Number of credits: 4	
Semester: 2 nd year of study, winter semester	
Degree/Level: *1*	
Prerequisities: -	
Grading Policy (Assessment/Evaluation): *During the semester there will be two written tests, each for 50 points.* *To successfully complete it, it is necessary to submit both tasks and obtain at least 50% success in them.* *The criteria for successful completion of the course (percentage expression of results in the evaluation of the exam from the subject) are for the following grades:* *a) A - 100.00 - 90.00%* *b) B - 89.99 - 80.00%* *c) C - 79.99 - 70.00%* *d) D - 69.99 - 60.00%* *e) E - 59.99 - 50.00%* *f) FX - 49.99 and less%*	
Aims and Objectives: *After completing the course, the student will demonstrate the ability to:* *- work in the PAST program* *- explain basic statistical concepts* *- verify the normality of the data and characterize the data set on the basis of descriptive statistics* *- correctly select and create graphs for individual data types* *- correctly select a statistical test and interpret its results*	
Syllabus/Indicative Content: *1. Introduction to statistics, introduction to the subject and evaluation, what is statistics* *2. Basic statistical concepts, types of data,* *3. Normality of data and possibilities of its verification, dependent and independent measurements* *4. Introduction to the PAST program* *5. Basic characteristics of the statistical file, Basic types of graphs* *6. Parametric and non-parametric tests for 2 independent measurements* *7. Parametric and non-parametric tests for 2 dependent measurements* *8. Repetition and practice of test selection procedure* *9. Parametric and nonparametric tests for x independent measurements* *10. Parametric and nonparametric tests for x dependent measurements* *11. Correlation and regression* *12. Linear regression and multiple regression* *13. Repetition and practice of test selection procedure*	
Suggested readings: *Salkind, N.J.: Statistics for people who hates statistics. London: SAGE Publications, 2011.* *Howell, D.C.: Fundamental Statistics for the Behavioral Sciences. USA: Cengage Learning, 2011.*	

Coolidge, F.L.: Statistics. London: SAGE Publications, 2013.
Pekár, S., Brabec, M. Statistics. Praha: Scienta, 2009.

Language of Instruction: *english*

Other course information:

Grading history

A	B	C	D	E	FX
a	b	c	d	e	f

Uvádza sa percentuálny podiel hodnotených študentov, ktorí získali po zapísaní predmetu hodnotenie A, B, ... FX. Celkový súčet a, b, c, d, e, f je 100. Ak študent v jednom roku získal FX a po ďalšom zapísaní predmetu hodnotenie D, zohľadnia sa obe jeho hodnotenia.

Lecturer/Instructor: *RNDr. Lenka Demková,PhD.*

Last update: *12.01.2022*

Approved by: