

Study Programme: Elementary Teacher		
Course Unit Title: Statistic methods for teachers		
Course Unit Code: U-3-2-6-3		
Name of Lecturer(s): Márta Takács, Diana Zita		
Type and Level of Studies: Undergraduate Studies (BA)		
Course Status (compulsory/elective): Elective		
Semester (winter/summer): Winter		
Language of instruction: Hungarian		
Mode of course unit delivery (face-to-face/distance learning): Face-to-face learning		
Number of ECTS Allocated: 2		
Prerequisites: -		
Course Aims: Students will learn about basic statistic methods used in pedagogical research.		
Learning Outcomes: Students will learn how to use existing bibliography as well as empirical research results and data. They will be able to do their own research with the help of statistics: organizing, processing and interpreting research results.		
Syllabus: <i>Theory</i> The concept and sources of facts for pedagogical research. Concept and practical use of statistics. Measures of central trends. Variability. Graphical presentation of results. Normal and some other distributions. The position of some results in the group. The difference between two arithmetic means. One-way or two-way testing of differences. Working with percents. Correlation. Chi-squared test. Standard mistake of standard deviation. Conclusion in statistics. Scales of measuring. Analysis of variance. <i>Practice</i> Actualization of theoretic knowledge in concrete research results.		
Required Reading: <i>Compulsory:</i> Falus, I. – Ollé, J. (2000): <i>Statisztikai módszerek pedagógusok számára</i> , Budapest: Okker Kiadó. <i>Optional:</i> Банђур, В. – Поткоњак, Н. (2000): <i>Методологија педагошког истраживања</i> , Београд: Учитељски факултет. Кундачина, М. – Гојков, Г. (1998): <i>Збирка решених задатака из педагошке статистике</i> , Ужице: Учитељски факултет.		
Weekly Contact Hours: 2 (30)	Lectures: 1 (15)	Practical work: 1 (15)
Teaching Methods:		

Lecture, practice, presentation, discussion, presentation, individual work, consultation.			
Knowledge Assessment (maximum of 100 points):			
Pre-exam obligations	points	Final exam	points
Active class participation	10	written exam (practical exam)	40
Practical work	10	oral exam	
Preliminary exam(s)		
Seminar(s)	40		
The methods of knowledge assessment may differ; the table presents only some of the options: written exam, oral exam, project presentation, seminars, etc.			