

NAME OF THE COURSE		Statistics in research of education				
Code	PMS171	Year of study				
Course teacher	doc.dr. sc. Antun Arbunić	Credits (ECTS)	3,0			
Associate teachers		Type of instruction (number of hours)	L	S	E	F
			30		15	
Status of the course		Percentage of application of e-learning				
COURSE DESCRIPTION						
Course objectives	The possibility of monitoring and understanding scientific literature and the personal use of statistics in quantitative educational research.					
Course enrolment requirements and entry competences required for the course	No					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	1.A qualification for making instruments, systematization, processing and presentation of quantitative data of the researched pedagogical phenomenon 2. Understanding of statistical data and their logic 3.Observation of descriptive indicators of the phenomenon and the causal relationships between phenomena 4. Qualification for monitoring educational periodicals					
Course content broken down in detail by weekly class schedule (syllabus)	1.Statistics and basic statistical concepts 2. Presentation of pedagogical issues (labeling, grouping, presentation) 3. Measurement and characteristics of normal distribution 4. – 8. Descriptive statistics 9. Calibration based on deciles and z-values 10.-14. Inferential statistics 15.Correlation					
Format of instruction						
Student responsibilities	Class attendance, preparation and presentation of the seminar paper, preliminary exams or oral exam (if student wants).					
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Name	Ects	Name	Ects	Name	Ects
Grading and evaluating student work in class and at the final exam	Class attendance and activity, the results of preliminary exams or written exam results or results of oral exam (if student wants).					

Required literature (available in the library and via other media)	Title	Number of copies in the library	Availability via other media
Optional literature (at the time of submission of study programme proposal)	1. Mejovšek, M. (2003.). Uvod u kvantitativne metode znanstvenog istraživanja u društvenim i humanističkim znanostima, Naklada Slap, Jastrebarsko. 2. Šošić, I. – Serdar, V. (2000.). Uvod u statistiku, Školska knjiga, Zagreb. 3. Gronlund, E. (1990.) Measurement and Evaluation in Teaching. Macmillan Pub.Co.	0	
Quality assurance methods that ensure the acquisition of exit competences	Consultations, discussion, active participation, evaluation.		
Other (as the proposer wishes to add)	*Contents are listed for academic block-hours (15 terms x 2 hours) ** Exercises are performed in groups (15x1 per group)		