

Course title: Research Methods and statistics				
Lecturer: Zorana Lužanin				
Status: obligatory/elective elective				
ECTS: 15				
Requirements:				
Learning objectives Acquiring competences to conduct research in education and understand the importance of research on the increase of teaching quality level. Enabling students to use modern statistical software tools in research.				
Learning outcomes Students shall be enabled to: <ul style="list-style-type: none"> • understand statistical methodology in professional and scientific papers • plan experiments • select appropriate data • apply more complex statistical analyses • competently interpret obtained results 				
Syllabus Goal and purpose of research in education. Data collecting methods. Use of questionnaires in research. Use of dialogs and observations in data collecting. Sample selection. Methods for analysis of qualitative data. Methods for analysis of numerical data. Selected topics in statistics. Preparation of reports and presentation of research results. Statistical analysis using SPSS and STATISTICA.				
Suggested literature: <ol style="list-style-type: none"> 4. Peter Newby: Research Methods for Educatio, Longman, 2009. 5. Louis Cohen, Lawrence Manion, Keith Morrison: Research Methods in Education, 7th edition, Routledge, 2011. 6. Keith Punch: Introduction to Research Methods in Education, Sage Publications, 2009 Jerry Wellington: Educational Research: Contemporary Issues and Practical Approaches, Continuum International Publishing Group, 2000				
Weekly teaching load				Other:
Lectures: 5	Exercises :	Other forms of teaching:	Student research: 5	
Teaching methodology Lectures, independent student work, consultations and seminars.				
Grading (maximal number of points 100)				
Pre-exam requirements	points	Final exam	points	
Practical teaching	30	Oral exam	50	
Seminar papers	20			