

Study program: PSYCHOLOGY			
Level of studies: Master studies			
Course: Research Methods and Technics (MP101)			
Teachers: Darko Hinić, Aleksandar Milenković			
Type of subject: obligatory			
ECTS: 7			
Prerequisites: /			
Course objectives			
The aim of the course is to strengthen and master the competencies required for the design, organization and implementation of scientific research in the social sciences. Also, to enable students to professionally analyze the collected data using statistical software and applying statistical methods, interpret the obtained results, to respect all the ethical rules of psychological studies, and to competently present the scientific results.			
Learning outcomes			
Students are able to choose an adequate methodological approach to the examination of specific psychological phenomena, to draft an appropriate research design, and to apply the methodological knowledge needed to conduct and control research, respecting the ethical standards of contemporary psychology. Students can expertly analyze the data, interpret the obtained results, and are able to present them in the written/oral scientific formats.			
Course unit contents			
<i>Lectures</i>			
Research stages. Research problem and goal, research questions and hypotheses. Research designs. Sampling. Variables and control of external variables. Research technics: tests, questionnaires, interviews, focus groups, sociometric, content analyses, scales. Ethical considerations.			
Descriptive statistics. Measures of central tendency and variability. Normality of distribution and deviations. Statistical hypothesis testing. Parametric and non-parametric tests. Correlation and regression analyses. Analysis of variance. Factor analyses. Prediction models.			
<i>Practice</i>			
Defining the theoretical framework of the research. Review of literature and scientific bases. Presentation of scientific articles. Writing a research outline. Choice of instruments. Training of interviewers and preparation of instructions. Data preparation, database creation and data entry. Preparation and presentation of results in a report, according to the propositions of writing scientific texts. Writing a research report. Oral presentation of work.			
References			
1. Breakwell, G.M., Wright, D.B., Barnett, J. (2020). <i>Research Methods in Psychology</i> (5th ed.). Sage Publication Inc.			
2. Pallant, J. (2020). <i>SPSS Survival Manual: A step by step guide to data analysis using IBM SPSS</i> (7th ed.). Routledge.			
Number of active teaching hours			
Lectures: 3	Practice: 2	Other forms of classes: 0	Other classes: 0
Teaching methods			
Lectures, discussions, group and individual activities, seminars, research proposals.			
Examination methods (maximum 100 points)			
Exam prerequisites	No. of points:	Final exam	No. of points:
Student's activity	10	Written exam	30
Colloquium	30	Oral exam	15
Assignments	15		