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|---|-------------------|--------------------------|--------------|
| <b>Study program:</b> Special education and rehabilitation (all modules)  |                   |                          |              |
| <b>Type and level of studies:</b> Master academic studies   |                   |                          |              |
| <b>Title of the subject:</b> Research methods in social sciences and humanities   |                   |                          |              |
| <b>Lecturer:</b> Predrag R. Teovanović; Tatjana S. Mentus   |                   |                          |              |
| <b>Course status:</b> Obligatory  |                   |                          |              |
| <b>ECTS:</b> 6  |                   |                          |              |
| <b>Prerequisites:</b> No prerequisites  |                   |                          |              |
| <b>Aim</b><br>The goal of this course is to provide learning experiences that help students to understand, interpret and run experimental and correlational studies as forms of empirical research that are typically conducted within field of special education and rehabilitation. Course is designed to equip students with knowledge and skills necessary to critically evaluate, but also to carry out basic empirical research, including writing of research proposal, selection of adequate methods and techniques for data collection, performing data analysis and reporting on results of study.  |                   |                          |              |
| <b>Outcomes</b><br>After completion of the course, students should be able to critically review empirical research with the exception of understanding advanced statistical methods. Students should be comfortable understanding and critiquing the design of studies, the generalizability of the studies, the instrumentation of studies, and the basics of the statistics of studies. Also, students should be able to design and perform basic empirical research and report on its results.   |                   |                          |              |
| <b>Content</b><br><i>Lectures</i><br>Scientific research. Types of research. Study design. Sampling. Variables. Data collection methods. Creating dataset. Descriptive statistics (frequencies, central tendency measures, measures of variability, measures of association). Normal distribution. Standard scores, percentiles and other transformations. Parameter estimation. Student's t-test. Analysis of variance. Correlational analysis. Regression analysis. Chi-square test. Reporting on results of empirical studies. Basic rules of academic writing.<br><i>Practical work</i><br>Writing research proposal. Statistical analysis of real-world data and reporting on results. |                   |                          |              |
| <b>Literature</b><br>Bandur, V. и Potkonjak, N. (2006). <i>Istraživanja u školi</i> . Beograd: Učiteljski fakultet.<br>Todorović, D. (2008). <i>Metodologija psiholoških istraživanja</i> . Beograd: Centar za primenjenu psihologiju.<br>Dragičević, Č. (2002). <i>Statistika za psihologe</i> . Beograd: Centar za primenjenu psihologiju.  |                   |                          |              |
| <b>Number of active classes per week</b>  | <b>Lecture: 2</b> | <b>Practical work: 2</b> |              |
| <b>Teaching methods:</b> Lectures, group discussions, individual assignments  |                   |                          |              |
| <b>Evaluation of knowledge (maximum score 100)</b>  |                   |                          |              |
| <b>Pre obligations</b>  | <b>Score</b>      | <b>Final exam</b>        | <b>Score</b> |
| activities during lectures  | 10                | written exam             | 70           |
| practical teaching  | 20                | oral exam                |              |
| midterm(s)  |                   |                          |              |
| seminars  |                   |                          |              |