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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | **Faculty of Philosophy** | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Psychology** | | |
| Study Module (if applicable) | | | |  | | |
| Course title | | | | Methodology of psychological research 2 | | |
| Level of study | | | | Bachelor  Master’s  Doctoral | | |
| Type of course | | | | Obligatory  Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | III | | |
| Number of ECTS allocated | | | | 5 | | |
| Name of lecturer/lecturers | | | | Miroslav Komlenić | | |
| Teaching mode | | | | Lectures Group tutorials  Individual tutorials  Laboratory work  Project work  Seminar  Distance learning  Blended learning  Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| The aim of the course:  a) an introduction of students to the theoretical bases of the logic and methodology of science, and epistemology gnoseology;  b) informing the students on empirical research paradigms, and especially research in psychology  Subject outcome  --adoption of skills for theoretical -analytical thinking regarding scientific knowledge and empirical research;  - acquisition of basic skills for independently conducting research in the science of psychology, and for successfully coping with richly diversified system designs and statistical methods of scientific methodology. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Theoretical lectures  1) On the scientific method and knowledge: the meaning of the term science and scientific knowledge; theory of knowledge.  2) Overview of understanding the sources and acquisition of knowledge: logical empiricism, Popper’s critical rationalism and realism, realist conception-concept Chan’s concept, constructivist understanding.  3) Scientific terms, statements and arguments (term, judgment and conclusion); on the language of science; defining scientific evidence.  4) The structure of logical argument and conclusion making, the correctness of the logical argument, the types of logical arguments, induction, deduction, and the analogy and model; errors in reasoning.  5) The description, explanation, prediction, proof.  6) Scientific facts, scientific laws, scientific theories and hypotheses.  7) The scope of the methodology and functions: the relationship of the methodology towards the theory of knowledge and logic.  8) The objectivity of scientific knowledge, the accuracy of scientific knowledge.  9) The definition of theory and hypothesis in psychology, laws, and prediction of explanation, the systems in psychology.  10) Preparation of research: topic, information on research, types of research, actors and objects, research, sample, variables, data, measurement.  11) Control of research: homogenization, blocking, averaging, randomization, repetitions.  12) Research designs: of frequency; variance, correlation, discrimination (species and subspecies).  13) Data collection: techniques and instruments of psychological research (questionnaires, tests).  14) Data processing: using descriptive statistics, usage of statistics reasoning.  15) The report on the research: structure, components, report writing, stating the way of stating literature.  Practical teaching: Exercises aim at training students to apply a sort of draft on a concrete idea of research and vice versa: to accurately determine the plan that was used in a particular study. The students themselves write one seminar paper or in a small group work at a research study. | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| Serbian (complete course)  English (complete course)  Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)  Serbian with English mentoring Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | |
| **ASSESSMENT METHODS AND CRITERIA** | | | | | | |
| **Pre exam duties** | **Points** | | **Final exam** | | | **points** |
| **Activity during lectures** | **10** | | **Written examination** | | | **30** |
| **Practical teaching** | **15** | | **Oral examination** | | | **20** |
| **Teaching colloquia** | **15** | | **OVERALL SUM** | | | **100** |
| **Seminar** | **10** | |  | | |  |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |