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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | **Faculty of Sport and Physical Education** |
| **GENERAL INFORMATION** |
| Study program  | **Doctoral Academic Studies, Sports Science** |
| Study Module (if applicable) |  |
| Course title | Statistical programs |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  | [x]  Autumn [ ] Spring |
| Year of study  | First |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Dušan Milošević, Ph.D, associate professor |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [x]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *After passing the exam student will be able to applying acquired knowledge, independently conduct scientific research using different statistical data processing methods, in accordance with the specific problem defined by the research methodology, which iimplies primarily the ideas design, choice of measuring instruments, data processing, interpretation of results and comparison with other studies or methods in a specific area of research.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Guidance on the use of statistical software packages, with special emphasis on SPSS (version 10.0) adapted to research in sport and physical exercise. Data entry. Data processing. Statistical testing. Reports / OLAP (On-Line Analytical Processing). Descriptive statistics, Comparative analysis of data and samples, General linear model (univariate - and multivariate repeated measures), Correlation analysis, Regression analysis (linear and multiple), Discrimination analysis; Factor and canonical analysis. Nonparametric procedures. Getting to know other statistical packages: SAS; Statistics, STATGRPHICS.** |
| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [x]  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** | **20** |
| **Seminar paper** | **15** | **Oral examination** | **20** |
| **Independent study research work** | **15** |  |  |
| **Test** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |