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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 | Quantitative methods |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  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)** |
| *The student is able to independently process, interprete and conclude on the obtained results in the framework of their own research.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| **Quantitative methods of scientific - research work in sports and physical education. Statistical Methodology. Arranging and displaying data. Tabular and graphical methods of data presentation. Univariate statistical methods. Measures of central tendency. Measures of variability. Intercorrelation of the variables. Multivariate statistical methods ( Factor analysis, The taxonomic analysis (cluster analysis), Regression analysis, Canonic correlation analysis, Redundant analysis, Discriminant analysis).** |
| **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** |
| **Theory** | **20** | **Written examination** | **20** |
| **Participation in research work** | **20** | **Oral examination** | **20** |
| **Test** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |