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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Technology, Leskovac |
| **GENERAL INFORMATION** |
| Study program  | Technological engineering |
| Study Module (if applicable) | / |
| Course title | Study research work 2 |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [x]  Obligatory [ ]  Elective |
| Semester  |  [x]  Autumn [x] Spring |
| Year of study  | II year |
| Number of ECTS allocated | 28 |
| Name of lecturer/lecturers | All professors engaged on doctoral academic studies |
| Teaching mode |  [ ] Lectures [ ] Group tutorials [x]  Individual tutorials [x] Laboratory work [x]  Project work [x]  Seminar [ ] Distance learning [ ]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The usage of basic theoretical, methodological, scientific, applicative knowledge and methods, as well as the newest findings published in the leading international journals, on specific problems overcoming during doctoral studies and PhD thesis realization. Training the students to independently interpret matter of doctoral studies and to apply previously, as well as recently acquired knowledge, in original problem solving. Through the literature research work students expand their knowledge, but through the contemporary methods implementation they independently and creatively use knowledge in the given problem solving. In this part of research work students examine the given problem, its structure and complexity. Based on completed analysis, they draw conclusions about possible ways of problem solving. In this way, students develop the ability to analyse and identify problems within the given topic. Practical application of acquired knowledge develops the ability to perceive the position and the role of engineers in the given field, as well as the necessity for teamwork and cooperation with other professions. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| It is formed individually in accordance to the research goals. Students examine the scientific and technical literature; they analyse specific problems which are defined by mentor or professors on doctoral studies. |
| **LANGUAGE OF INSTRUCTION** |
| [x] 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** | **/** | **Written examination** | **50** |
| **Practical teaching** | **/** | **Oral examination** | **50** |
| **Teaching colloquia** | **/** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |