|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  |  |
| **GENERAL INFORMATION** |
| Study program  | Graduate studies: Food Technology and Biotechnology, Chemical Technologies and Textile Technologies |
| Study Module (if applicable) | Food Technology, Biotechnology, Pharmaceutical and Cosmetic Engineering, Organic Chemical Technology and Polymer Engineering, Ecological Engineering and Industrial Design of Textile Products |
| Course title | Introduction to Scientific Research |
| Level of study | [ ] Bachelor [x]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [ ]  Elective |
| Semester  |  [x]  Autumn [ ] Spring |
| Year of study  | First |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | Vlada Veljković and Marija Tasić |
| Teaching mode |  [x] Lectures [ ] Group tutorials [x]  Individual tutorials [ ] Laboratory work [x]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The purpose of the course is to present the methodology of scientific research and training in scientific communication. Students will acquire basic knowledge of the methodology of scientific research, will be trained to collect and organize scientific materials, as well as to process, analyze and present the research results. The course contributes to raising the level of students’ general education. Specifically, the course contributes to the development of their power of not only scientific but also professional communication among. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| 1. Introduction to the methodology of scientific research - 2 hours; 2. Science and scientific laws - 2 hours; 3. Classification of sciences - 2 hours; 4. The scientific method and methodology - 2 hours; 5. The process and stages of research - 2 hours; 6. Determination of the research subject and setting of initial assumptions - 2 hours; 7. Data collection methods - 2 hours; 8. Interpretation and explanation of the research results - 2 hours; 9. The types and characteristics of scientific publications - 2 hours; 10. Scientific writing: the stylistic features and grammatical correctness - 2 hours; 11. Writing a paper - 2 hours; 12. Writing other scientific publications - 2 hours; 13. Writing the master dissertation - 2 hours and 14. Technical editing and printing of manuscripts - 2 hours. |
| **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** | **10** | **Written examination** | **40** |
| **Practical teaching** | **35** | **Oral examination** | **15** |
| **Teaching colloquia** | **-** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |