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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of Technology |
| **GENERAL INFORMATION** |
| Study program  | Material and energy flows management |
| Study Module (if applicable) | - |
| Course title | Research Study |
| Level of study | ☐Bachelor ☒ Master’s ☐ Doctoral |
| Type of course | ☒ Obligatory☐ Elective |
| Semester  | ☐ Autumn ☒Spring |
| Year of study  | I year |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | All lecturers from the study program |
| Teaching mode | ☐Lectures ☐Group tutorials ☒ Individual tutorials☐Laboratory work ☒ Project work ☒ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The application of basic, theoretical, methodological, scientific, technical and professional knowledge and methods on solving specific problems within the chosen field of research through researching the literature, defining the objective, aims and expected results and selecting the corresponding procedures and methods. Within the study research students investigates the problem, its structure and complexity and based on the undertaken analysis draws conclusions on the possible ways of solving it. Studying the literature, the student is acquainted with the latest developments in the field of research and with the methods that can be applied to solving similar problems. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Search, analysis and processing of technical and scientific literature in the field of material and energy flow management. Students will be able to be engaged in scientific research, analysis and processing of the research data, writing and presenting seminar works, scientific papers and thesis. During the implementation of this part of the final work, the mentor in consultation with the student selects research topic, provide the necessary explanations to facilitate understanding of the matter; giving instructions to a student in related searches, analysis and processing of technical and scientific literature and research data in order to quality preparation for the preparation, writing and defense of the final thesis. |
| **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** |  | **Written examination** |  |
| **Practical teaching** | **25** | **Oral examination** | **30** |
| **Seminar paper** | **45** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |