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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Economics |
| **GENERAL INFORMATION** |
| Study program  | **Finance, Banking and Insurance** |
| Study Module (if applicable) |  |
| Course title | Economic Functions |
| Level of study | [x] Bachelor [ ]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | Fourth |
| Number of ECTS allocated | 7 |
| Name of lecturer/lecturers | Žarko PopovićMiroljub MilojevićNebojša Stojković |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [x]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *This course primarily aims at developing overall student personality. The aim of this course is to help students of economics master the mathematical modeling of the main categories of quantitative analysis in economics.**Students who have acquired the knowledge of this course can independently apply the obtained apparatus of mathematical analysis to the mathematical modeling of basic categories of quantitative economics.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| *1. Real functions of several variables, 2. Ordinary differential equations, 3. Smoothing the empirical data, 4. Elasticity of functions 5. The functions of demand, supply and income, expenses 6. Cost function 7. Profit function, 8. Production function; 9. The function of productivity, 10. The function of the economy, 11. The function of profitability* |
| **LANGUAGE OF INSTRUCTION** |
| [x] Serbian (complete course) [ ]  English (complete course) [ ]  Other \_\_\_\_\_\_\_\_\_\_\_\_\_ (complete course)[x] Serbian with English mentoring [ ] Serbian with other mentoring \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **ASSESSMENT METHODS AND CRITERIA** |
| **Pre exam duties** | **Points** | **Final exam** | **points** |
| **Activity during lectures** | **20** | **Written examination** | **20** |
| **Practical teaching** | **10** | **Oral examination** | **30** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |