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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | Faculty of Economics |
| **GENERAL INFORMATION** |
| Study program  | **Economics** |
| Study Module (if applicable) | Macroeconomics |
| Course title | Quantitative Methods in Economics |
| Level of study | [ ] Bachelor [ ]  Master’s [x]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | Second |
| Number of ECTS allocated | 10 |
| Name of lecturer/lecturers | Vera ĐorđevićVinko LepojevićVesna Janković-Milić |
| Teaching mode |  [x] Lectures [ ] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [x]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *To broaden and deepen the knowledge of basic statistical and econometric methods. To introduce students with theoretical basis and practical analysis of economic phenomena. To enable students to comprehensive statistical economic analysis, in order to select the appropriate statistical methods of data processing and presentation of results.**Current knowledge and skills for using appropriate statistical software packages, as well as for independent implementation of simple statistical research in economics and business.* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| *Basic concepts of the time series analysis, Descriptive methods in the analysis of time series, Models of stationary and non-stationary time series, ARIMA models, Specifics in the analysis of time series, Models of financial time series, Forecasting based on simple linear regression model, Forecasting based on the time series.* |
| **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** |  |
| **Practical teaching** | **10** | **Oral examination** | **50** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |