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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | **Faculty of Sciences and Mathematics** | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | **Mathematics** | | |
| Study Module (if applicable) | | | | Probability, statistics and financial mathematics | | |
| Course title | | | | Statistic Quality Control | | |
| Level of study | | | | ☐Bachelor Master’s ☐ Doctoral | | |
| Type of course | | | | ☐ Obligatory Elective | | |
| Semester | | | | ☐ Autumn Spring | | |
| Year of study | | | | Second | | |
| Number of ECTS allocated | | | | 7 | | |
| Name of lecturer/lecturers | | | | Biljana Č. Popović | | |
| Teaching mode | | | | Lectures ☐Group tutorials ☐ Individual tutorials  Laboratory work ☐ Project work ☐ Seminar  ☐Distance learning ☐ Blended learning Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| The students will master the knowledge of statistical processes control in product managing, service managing, and specifically in education process. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| General concept of quality control. Collecting of data. Graphical presentation of data. Detecting of grouping centre and deviations. Control charts. Monitoring of a process. Capability and stability of a process. The use of control charts for continuous quality improvement. Setting the target. Control charts for qualitative characteristics. | | | | | | |
| **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** | **5** | | **Written examination** | | | **10** |
| **Practical teaching** | **5** | | **Oral examination** | | | **40** |
| **Teaching colloquia** | **40** | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |