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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** |