|  |
| --- |
|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Faculty of Electronic Engineering |
| **GENERAL INFORMATION** |
| Study program  | Electrical Engineering and Computing |
| Study Module (if applicable) | Electronics |
| Course title | Design for Environment |
| Level of study | ☒Bachelor ☐ Master’s ☐ Doctoral |
| Type of course |  Obligatory X Elective |
| Semester  | ☐ Autumn ☒Spring |
| Year of study  | 4 |
| Number of ECTS allocated | 5 |
| Name of lecturer/lecturers | DragišaMilovanović,MionaAndrejevićStošović |
| Teaching mode | ☒Lectures ☐Group tutorials ☐ Individual tutorials☒Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Gaining competence for sustainable design of electronic products. Students are expected to learn the estimated life of the product and the method of design that determine the success of the product throughout the life cycle. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Problems of interaction with the environment. Electronics and electrical industry and ecology. Economic aspects. Municipal environmental problems. The concept of sustainable development of society. Position of the designer in reducing environmental risks. Phases of the product life. End of the life cycle. Re-use, disassembly, processing, disposal. Collection scenario of used products. The concept of sustainable design (SD). Phases, effects, SD processes. SD electronic products. Standardization procedures and standards for sustainable development. Standards related to the industrial requirements. European and national legislation. |
| **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** | **20** | **Written examination** | **0** |
| **Practical teaching** | **40** | **Oral examination** | **40** |
| **Teaching colloquia** | **0** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |