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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** |  |
| **GENERAL INFORMATION** |
| Study program  | **Mechatronics and Control** |
| Study Module (if applicable) | - |
| Course title | MМ.1.4-I.2-2 Computer Input - Output Devices and Protocols |
| Level of study | ☐Bachelor ☑ Master’s ☐ Doctoral |
| Type of course | ☐ Obligatory☑ Elective |
| Semester  | ☑ Autumn ☐Spring |
| Year of study  | I |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Aca D. Micic |
| Teaching mode | ☑Lectures ☐Group tutorials ☐ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| *Introduction to computer peripherals and .Students are able to write simple controlprograms for computer peripherals and to use the existing drivers in their applications* |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| * **Division, the role and the basic operating principles of computer peripherals.**
* **Monitors, CRT, plasma, lcd.**
* **Magnetic peripherals, disk, floppy disk, tape.**
* **Magnetic Peripherals zip disk.**
* **Flash and USB memory.**
* **Optical peripherals.**
* **Keyboards, mice, tablets.**
* **Introduction to the protocols, synchronous asynchronous, packet H25.**
* **Parallel and serial ports.**
* **printers, dot matrix, laser, ink, thermal.**
* **Plotter, structure of printer files, prn, eps, hpgl.**
* **Escape Sequences, Api functions, switching functions Bios.**
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| **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** | **10** | **Written examination** |  |
| **Practical teaching** |  | **Oral examination** | **50** |
| **Teaching colloquia** | **10+10+10+10** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |