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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | Mechanical Engineering Faculty |
| **GENERAL INFORMATION** |
| Study program  | **Mechatronics and Control** |
| Study Module (if applicable) | - |
| Course title | Professional Practice |
| 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 | Miodrag S. Milošević, Slobodan V. Jovanović |
| Teaching mode | ☐Lectures ☐Group tutorials ☒ Individual tutorials☐Laboratory work ☐ Project work ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| * Students are trained to apply the acquired scientific-professional and professional-applicative knowledge from the study program Mechatronics and control in practice.
* Students are trained for the implementation of technical regulations and standards.
* Students are receiving practical experience during their stay in institution - company chosen by the student or faculty.
* Institutions - companies are chosen in such a way that their areas of business and activities are closely related to the field of Mechatronics and Control.
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| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| Professional practice is implemented through independent practical student work. Professional practice includes working in the companies and institutions that are closely related to the field of Mechatronics and Control, as well as practical work in the laboratory ofFaculty ofMechanical Engineering, University in Nis.Professional practice lasts 60 hours, the student attend it during the first semester of the year, under the supervision of teacher / associate. Two hoursare provided for introducing students to the program of professional practice and their responsibilities, as well as for presentation of the institutions in the country and abroad where they can do their professional practice. 12 hours are provided for practical work in the laboratories of Faculty of Mechanical Engineering, 45 hours are scheduled for the practical work in manufacturing or research companies, and at last 1 hour is foreseen for checking the acquired knowledge and skills.In institutions or companies of professional practice, students receive certain tasks and execution of those tasks depends on level of acquisition of former knowledge provided by the study program. Tasks that students receive are directly related to the activities which they receive after graduation. Every student gets a responsible supervisor inthe institution or companywhere he/she performs its professional practice, and that person monitors and evaluates the performance of the student. During the professional practice, students have the obligation tokeep thediary of professional practice which shall include all activities that were entrusted to the student.At the end of the professional practice, the company in which the professional practice is carried out, shall issue a certificate with the signature of responsible supervisor that has followed the work of the student, as a proof for teacher / associate.Based on its professional practice, student exposes the diary that has kept all observations from the professional practice, in the expose is in the form of presentation and the overall activity is graded. |
| **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** | **Practical work** | **Written examination** | **-** |
| **Practical teaching** | **70** | **Oral examination** | **Presentation of work –Diary 30** |
| **Teaching colloquia** | **-** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |