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| **UNIVERSITY OF NIŠ** | | | | | | |
| **Course Unit Descriptor** | | **Faculty** | | | Electronic Engineering | |
| **GENERAL INFORMATION** | | | | | | |
| Study program | | | | Electrical Engineering and Computing | | |
| Study Module (if applicable) | | | | Telecommunications | | |
| Course title | | | | Digital Modulation Techniques | | |
| Level of study | | | | Bachelor Master’s x Doctoral | | |
| Type of course | | | | Obligatory x Elective | | |
| Semester | | | | Autumn Spring | | |
| Year of study | | | | 1 | | |
| Number of ECTS allocated | | | | 10 | | |
| Name of lecturer/lecturers | | | | Drača Lj. Dragan | | |
| Teaching mode | | | | x Lectures Group tutorials Individual tutorials  Laboratory work x Project work Seminar  Distance learning Blended learning Other | | |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** | | | | | | |
| Mastering the basic knowledge necessary to determine the performance of digital modulation techniques. | | | | | | |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** | | | | | | |
| Minimum Shift Keying (MSK) and MSK modulation types. Modulation with the continuous phase. Phase Modulation. Spectrally efficient modulation without constant envelope. Performance of modulation techniques in fading channels, and equalization. | | | | | | |
| **LANGUAGE OF INSTRUCTION** | | | | | | |
| x Serbian (complete course) x 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** |  | | **Written examination** | | |  |
| **Practical teaching** | 50 | | **Oral examination** | | | **50** |
| **Teaching colloquia** |  | | **OVERALL SUM** | | | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** | | | | | | |