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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty**  | **Faculty of Philosophy** |
| **GENERAL INFORMATION** |
| Study program  | **Serbian Language and Literature** |
| Study Module (if applicable) |  |
| Course title | Acoustic Phonetics |
| Level of study | [x] Bachelor [ ]  Master’s [ ]  Doctoral |
| Type of course | [ ]  Obligatory [x]  Elective |
| Semester  |  [ ]  Autumn [x] Spring |
| Year of study  | II |
| Number of ECTS allocated | 4 ECTS |
| Name of lecturer/lecturers | Aleksandra Lončar Raičević, Nina Sudimac |
| Teaching mode |  [x] Lectures [x] Group tutorials [ ]  Individual tutorials [ ] Laboratory work [ ]  Project work [ ]  Seminar [ ] Distance learning [ ]  Blended learning [ ]  Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| Introducing students to the basic principles, methods and techniques of experimental phonetic analysis in the field of acoustics and speech signal analysis. Independent performance analysis of recorded material in all relevant aspects: signal segmentation, analysis of changes in the intensity, duration and structure of the acoustic segments, vowel formants structure, the movement of the fundamental frequency and pitch of the signal. |
| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| - Introduction to the fundamentals of acoustics.- The physical nature of the sound;-Sound. The main types of display sound (oscillogram, spectrum, spectrogram)- Acoustic vowels characteristics (frequency, amplitude, duration, complex periodic sounds, the spectral form);- Speech Signal and software for analysis of speech. The introduction of the software packages SFS and PRAAT;Acoustic Properties of speech; The Source-Filter theory; The acoustic structure of vowels.- Acoustic characteristics of consonants;- Prosody and intonation; The influence on the acoustic characteristics of prosody vowels;- Current phonetics research. |
| **LANGUAGE OF INSTRUCTION** |
| [x] 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** |  | **Written examination** | **20** |
| **Practical teaching** | **20** | **Oral examination** | **40** |
| **Teaching colloquia** | **20** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |