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|  **UNIVERSITY OF NIŠ** |
| **Course Unit Descriptor** | **Faculty** | **Faculty of Philosophy** |
| **GENERAL INFORMATION** |
| Study program  | **English Language and Literature** |
| Study Module (if applicable) |  |
| Course title | **Acoustic Analysis of Speech** |
| Level of study | ☐Bachelor **☐ Master’s** ☐ Doctoral |
| Type of course | ☐ Obligatory**☐ Elective** |
| Semester  | **☐ Autumn** ☐Spring |
| Year of study  | 1 |
| Number of ECTS allocated | 6 |
| Name of lecturer/lecturers | Tatjana Paunović, Aleksandar Pejčić (practicals) |
| Teaching mode | **☐Lectures** **☐Group tutorials** ☐ Individual tutorials☐Laboratory work **☐ Project work** ☐ Seminar☐Distance learning ☐ Blended learning ☐ Other |
| **PURPOSE AND OVERVIEW (max. 5 sentences)** |
| The goal of this course is to enable students to perform acoustic analysis and master the basics of acoustic phonetic research – from data collection and selection to the acoustic analysis of the most important phonetic parameters in the speech signal. By the end of this course, you should:1. appreciate the advantages and limitations of some computer tools available for speech analysis
2. be able to describe in general terms what the aims of speech analysis are
3. have gained some experience with the use of speech analysis tools
4. have gained experience in formulating experimental phonetics hypotheses
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| **SYLLABUS (brief outline and summary of topics, max. 10 sentences)** |
| In this hands-on course, we first revise the basics of Acoustic Phonetics and get familiar with two widely used packages of speech analysis software: **The Speech Filing System** (SFS/RTGRAM Mark Huckvale, University College, London) and **Praat** (Paul Boersma and David Weenink, Institute of Phonetic Sciences, Uni of Amsterdam). Then, in the first half of the course, we focus on the acoustic correlates of speech sounds, and practise analysing vowels and consonants in terms of their relevant acoustic properties. In the second part of the course we turn to the acoustic-phonetic features of connected speech, mainly the acoustic cues used to encode prosodic features and intonation, and to signal communicatively relevant information. |
| **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** |  | **Written examination** | **Final project - a full written report/ research paper= 50%** |
| **Practical teaching** |  | **Oral examination** | **Oral exam – the presentation of the project= 30%** |
| **Teaching colloquia** | **4 homework assignments x** 5% = **20%** | **OVERALL SUM** | **100** |
| **\*Final examination mark is formed in accordance with the Institutional documents** |