

<b>Study program:</b> Special education and rehabilitation
<b>Type and level of studies:</b> Master academic studies
<b>Title of the subject:</b> Audiology
<b>Lecturer:</b> Snežana S. Babac
<b>Course status:</b> Obligatory course for the module - Hearing disability
<b>ECTS:</b> 5
<b>Prerequisites:</b> None
<p><b>Aim:</b>  The goal is to introduce students to broader medical and biological perspective in approaching the problem of sense of hearing as the most important sense for the communication and the sense of balance as the oldest sense. In their later professional work this knowledge will be essential for the quality work performance and the adequate understanding of the subject provided by the broader medical approach. The training also comprises the topographic diagnostics of the facial nerve since it is within the field of the clinical audiology. The goal of the course is also to introduce students to medical aspects of ear diseases and their treatment. Comparing to the basic academic studies this course comprises broader and more profound approach.</p>
<p><b>Outcomes:</b>  Upon completion of this course, students will be able to comprehend the broader medical perspective of the functioning, testing and diagnostics of diseases of sense of hearing, balance and nervus facialis. Comparing to the basic academic studies this course comprises broader and more profound approach.</p>
<p><b>Content</b>  <i>Lectures:</i></p> <ol style="list-style-type: none"> <li>1) Acoustics</li> <li>2) Morphology and Physiology of External and Middle Ear</li> <li>3) Morphology and Physiology of Inner Ear and Central Auditory Pathways</li> <li>4) Morphology and Physiology of Balance</li> <li>5) Methods of Testing the Hearing</li> <li>6) Differential Diagnosis of Hearing Impairment</li> <li>7) Methods of Testing the Balance</li> <li>8) Diseases of the External Ear and Their Impact on Hearing</li> <li>9) Inner Ear Disorders</li> <li>10) Phylogenetic and Ontogenetic Ear Development</li> <li>11) Audiological Diagnostic of Congenital Ear Malformations</li> <li>12) Hearing Improvement Technologies</li> <li>13) Facial Nerve</li> <li>14) Extra hours for making up canceled classes or for additional lectures.</li> </ol> <p><i>Practical work:</i>  Demonstration of the diagnostic methods.</p>
<b>Literature:</b>

1. Borivoj Babić: "Audiology and Vestibulology" textbook for students of surdology and speech language and pathology, Publishing center of the Faculty of Special Education and Rehabilitation, University of Belgrade, ISBN – 978-86-80113-64-7, cobiss.sr-id 145597964, page 246, Belgrade, 2007.
2. Simonović Miodrag: "Audiology I" Savremena administracija, Belgrade, 1977.
3. Borivoj Babić: „Assessment of hearing and balance after sudden hearing impairment“ doctoral dissertation, Faculty of Medicine, Belgrade, 2001.

<b>Number of active classes per week</b>	<b>Lecture: 2</b>	<b>Practical work: 2</b>	
<b>Teaching methods:</b>			
<b>Evaluation of knowledge (maximum score 100)</b>			
<b>Pre obligations</b>	<b>Score</b>	<b>Final exam</b>	<b>Score</b>
activities during the lectures	20	written exam	
practical teaching	20	oral exam	50
midterm(s)		.....	
seminars	10		