

<b>SUBJECT</b>	<b>CLINICAL NEUROPSYCHOLOGY</b>
<b>Study program</b>	Three year professional study program for logopedes
<b>Code:</b>	SL- 224
<b>Study year</b>	Second
<b>Semester (term)</b>	third
<b>study classes</b>	70
<b>Credits</b>	5
<b>Type of subject</b>	Mandatory
<b>Prerequisite</b>	Filled condition for enrollment in second study year
<b>Performed</b>	Cathedra for Neurology
<b>Responsible faculty</b>	Prof D-r Saso Stojchev, coordinator Doc D-r Gordana Kiteva-Trenchevska
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<b>Key words</b>	Study program for logopedes, basic studies, clinical neuropsychology
<b>Study aims</b>	<ul style="list-style-type: none"> <li>• To know the most frequent neuropsychological disturbances and their functional manifestations</li> <li>• To know the impact of different etiologic factors, either biological or psychological on neuropsychological disturbances</li> <li>• To learn basic neuropsychological disturbances, their semiology and classification</li> <li>• To learn the clinical picture, diagnostic and therapeutic options and rehabilitation in neuropsychological disturbances, important for logopedes, especially aphasias and other speech disorders, apraxias , agnosias</li> </ul>
<b>Short content</b>	<b>Theoretical part (30 classes) + seminars (15 classes)</b> <ul style="list-style-type: none"> <li>• Theoretical base of contemporary neuropsychology</li> <li>• Anatomical base of neuropsychology</li> <li>• The role of neurotransmission in organization of cognitive functions ( acetylcholine, dopamine, noradrenalin, serotonin, GABA, excitatory amino-acids, interaction between different neurotransmitter systems)</li> </ul>

	<ul style="list-style-type: none"> <li>• Aphasias ( definition, contemporary linguistic theory, terminology, semiology, symptoms of aphasias, anatomical and functional organization of speech</li> <li>• Alexias ( parieto-temporal alexia, occipital alexia, frontal alexia, Visio-spatial alexia, hemispatial alexia, aphasic alexia)</li> <li>• Linguistic interpretation of alexias (superficial and deep alexia, alexia in oriental languages, the role of the right hemisphere)</li> <li>• Agraphias ( aphasic agraphia, apractic agraphia, spatial agraphia, linguistic forms of agraphia)</li> <li>• Acalculias ( Classification of acalculias, analysis of acalculias)</li> <li>• Disturbances in perception- Agnosias ( visual agnosia, auditory agnosia, tactil agnosia, autotoagnosia, fingers agnosia, body-scheme disturbances)</li> <li>• Anosognosias and confabulations</li> <li>• Apraxias ( Ideomotor apraxia, conceptual apraxia, visio-motor and tactilomotor dissociative apraxia, subcortical apraxia)</li> <li>• Memory and amnesic syndromes</li> <li>• Frontal lobes</li> <li>• Neuropsychological syndromes of temporal lobes</li> <li>• Neuropsychological syndromes of parietal and occipital lobes</li> <li>• Neuropsychological syndromes of limbic system</li> <li>- Neuropsychological syndromes of basal structures</li> <li>-</li> </ul> <p><b>Practical work (25 classes)</b> - Practical work of the theoretically accomplished knowledge</p>
<b>Organization</b>	Theoretical part: 30 classes Practical part: 25 classes Seminars: 15 classes
<b>Teaching methods</b>	Lectures, practical work, seminars
<b>Teaching results</b>	<p><b>Knowledge and ability:</b> The student will be able to recognize the neuropsychological disturbances</p> <p><b>Key skills:</b> The student will be able to apply in practice the knowledge learned in theoretical lectures.</p>
<b>Specific advice for lectures</b>	<b>The student is obliged to attend all lectures and other activities, including participation in continuous evaluation of the obtained knowledge in order to get credits</b>

	<p><b>Evaluation of student's activities:</b></p> <p>Theoretical part                      7,5 – 12 points  Practical part                            12,5 –25 points  Seminars                                    10- 17 points  Continuous evaluation                30- 46 points</p> <p>Total                                        60 – 100 points</p> <p>Presence in theoretical part:  51 – 60% - 7,5 points  61 – 70% - 8 points  71 – 80% - 9 points  81 – 90% - 10 points  91 – 100% - 12 points</p> <p>Practical part: every exercise brings 1 point (25 exercises)  Presence: 0,5 points  Activity in exercise: 0,5 points</p> <p>Success in seminars:  51 – 60% - 10 points  61 – 70% - 11 points  71 – 80% - 13 points  81 – 90% - 15 points  91 – 100%- 17 points</p> <p><b>Conditional criteria's:</b> The students are obliged regularly to attend the theoretical classes and exercises in order to be evaluated continuously. Continuous evaluation may be in written form or practical examination of the obtained knowledge. Definitive mark is formed from the points from the tables, of all activities, including continuous evaluation of obtained knowledge and practical part of the exam. The student is obliged to earn minimum of at least 60% in continuous evaluation and in the practical exam, in contrary the student must pass the complete final exam</p> <p><b>Completed final exam:</b> The exam is in written form and/or practical. It consists of continuous evaluation of obtained knowledge and practical part of the exam, for which the students has no the necessary minimum points.</p>
<p><b>Literature and books</b></p>	<p><b>Basic:</b>  Authorized lectures from the Catedra.  Невропсихологија Гордана Оциќ</p>