Study program: Speech and Language Pathology, Special Education and Rehabilitation			
Type and level of studies: Doctoral Academic Studies			
Title of the subject: Basics of behavioral neurology			
Lecturer: Dragan Pavlović			
Course status: Elective			
ECTS: 20			
Prerequisites: No			
Aim: Understanding the relationship between brain structures and behavior, normal behavior patterns and their structural and biochemical basics, behavioral disorders in diseases in typical entities that lead to permanent or temporary disabilities and require special educational treatment and rehabilitation.			
Outcomes: Students are trained to recognize the most common forms of behavior in healthy individuals and know their anatomy / biochemical substrate, to recognize altered forms of behavior and neurological diseases and conditions that lead to behavior change, and cause a permanent or temporary handicap requiring special educational treatment and rehabilitation.			
Contents: 1. Development of the brain and organization of the nervous system, lateralization of the hemispheres 2. Neurotransmitters, hormones and behavior 3. Attention, consciousness, senses and perception, illusions, hallucinations, agnosias 4. Control of movements, apraxia, child cerebral palsy, extrapyramidal disorders of children and adults, hereditary diseases 5. Memory and learning, amnesia, confabulation 6. Speech, oral and written, developmental and acquired speech disorders 7. Opinion and Exquisite Functions, Mental Disorders, Cingular cortex 8. Emotion, motivation and limbic system, decision making system 9. Schizophrenia and other psychoses, brain mechanisms 10. Depression and anxiety disorders, brain mechanisms 11. Autism, intellectual disability and behavioral disorders in children, brain mechanisms 12. Epilepsy, brain tumors, cerebrovascular disease - changes in neurocognition and social cognition 13. Mild cognitive disorders and dementias of adults, Heler's syndrome in children, focal cavities of higher cortical functions 14. Brain trauma, inflammatory and infectious brain diseases, neurodegenerative diseases and disorders of cognition, behavior and emotions in children and adults 15. Neurobehavioral evaluation, neuropsychological diagnostics			
Literature: Pavlović D. M., Pavlović A.M. (2016). *Higher cortical functions. Basics of behavior neurology and neurophychology*. Belgrade, Serbia. Orion Art, 2016. ISBN 978-86-6389-0514-0. 512 pages.			
Number of active classes per week			
Lectures: 3	**Research work**: 10		
Teaching methods: Lectures, research of the literature on given topic, preapring the review paper and presentation			
Evaluation of knowledge (maximum score 100)			
Pre obligations	**Points**	**Final exam**	**Points**

Research project	10	Written exam	
Seminars	40	Oral exam	50