

Study program: Special Education and Rehabilitation, module of Visual Impairments			
Type and level of studies: Basic Academic Studies			
Title of the subject: Functional Diagnostics and Rehabilitation of Monocular and Binocular Vision			
Lecturer: Miroslav R. Stamenkovic			
Course status: Obligatory			
ECTS: 6			
Prerequisites: Passed exam Ophthalmology			
Aim: Adoption of basic knowledge in the field of functional assessments and rehabilitation of monocular and binocular vision disorders.			
Outcomes: Mastering the techniques of functional assessments and rehabilitation of monocular and binocular vision disorders.			
Content <i>Lectures:</i> Monocular vision function. Binocular vision and physiology of sensomotor cooperation between two eyes. Anatomy of extraocular muscles. Physiology of eyes movements. Neuromuscular eye anomaly. Sensorial signs and symptoms of strabismus, binocular adaptation. Heterophoria. Esotropia. Exotropia. Cyclovertical types of strabismus. Alphabet syndromes. Paralytic strabismus. Special forms of strabismus. Nystagmus. Principles of nonsurgical treatment. Principles of surgical treatment. <i>Practical work:</i> Tests for assessment of the condition and quality of monocular vision functions: visual acuity tests, accommodation tests and AC/A ratio tests. Tests for assessment of the condition and quality of binocular vision functions: history of disease, motility tests, Hirschberg test, assessment of near point of convergence and accommodation, measurement of angle of deviation, measurements on synoptophore, cover-uncover test, stereo vision tests, assessments of sensorial status, diplopia tests.			
Literature 1. Stankov, B., Ljutica, M., Đokić, LJ. (2012). <i>Osnovi strabizmologije</i> . Beograd: Univerzitet u Beogradu – Fakultet za specijalnu edukaciju i rehabilitaciju. ISBN 978-86-6203-039-9			
Number of active classes per week:	Lecture: 2	Practical work: 4	
Teaching methods: Lectures, exercises, seminars, consultations, practice, presentations.			
Evaluation of knowledge (maximum score 100)			
Pre obligations	Score	Final exam	Score
activities during the lectures	10	written exam	/
practical teaching	10	oral exam	50
midterm(s)	15		
seminars	15		