

Study program: Integrated Academic Studies in Medicine			
Course title: Medical Rehabilitation			
Teacher: Aleksandar L. Knežević, Ksenija M. Bošković, Snežana T. Tomašević-Todorović, Aleksandra A. Mikov, Gordana V. Devečerski, Čila A. Demeši-Drljan, Slobodan P. Pantelinac, Nataša Ž. Milenović, Dušica Simić Panić, Tijana J. Spasojević			
Course status: compulsory			
ECTS Credits: 2			
Condition: Surgery			
Course aim: Adopting principles of theory and practice of modern rehabilitation.			
Expected outcome of the course After finishing the course, students are expected to grasp basic concepts of medical rehabilitation both in preventive and curative setting. They will be able to assess abnormalities - hereditary or secondary to diseases or injuries either temporary or permanent. Furthermore, they will be able to evaluate functional or psychological impairments, both in children and adults. Students will be provided with skills to help different categories of disabled people.			
Course description <i>Theoretical education</i> The Cultural Background of Rehabilitation. Stroke. Spinal cord injury. Multiple sclerosis. Rehabilitation of people with Parkinson's disease. Amputations. Hip fractures. Sport injuries. Degenerative and inflammatory joint disorders, fibromyalgia and osteoporosis. Spinal deformities. Principles of management of acute and chronic pain: the example of low back pain. Balance troubles and the risk for falls in the elderly. Specific process of habilitation and rehabilitation of children. Rehabilitation settings and the concept of interdisciplinary care. <i>Practical education</i> Getting familiar with specialized institutions for medical rehabilitation. Evaluation of patients involved in medical rehabilitation program. Basic principles of practical application of physical therapy procedures in medical rehabilitation. Basics of therapeutic modalities and physical agents used in medical rehabilitation. Medical rehabilitation of patients after trauma and polytrauma and patients after limb amputation. Medical rehabilitation of patients with peripheral nerve lesions. The most common habilitation and rehabilitation conditions in children and adolescents. Medical rehabilitation of patients with chronic lumbar and cervical syndrome. Medical rehabilitation of patients after stroke and spinal cord injuries. Medical rehabilitation of patients with degenerative and inflammatory joint disorders, fibromyalgia and osteoporosis.			
Literature <i>Compulsory:</i> 1. Ceravolo M, Cristodoulou N. Physical and Rehabilitation Medicine for Medical students. Digital edition. Milan, 2018. <i>Additional:</i> 1. Frontera WR, Silver JK, Rizzo TD. Essentials of Physical Medicine and Rehabilitation. 2nd ed. Philadelphia: Elsevier, 2008:1232.			
Number of active classes	Theoretical classes: 30	Practical classes: 30 Other classes: 15	
Teaching methods: Lectures, practical work, consultation hours			
Student activity assessment (maximally 100 points)			
Pre-exam activities	points	Final exam	points
Lectures	30	Written	
Practices	30	Oral	40
Colloquium			
Essay			