

Study program : MEDICINE
Type and level of studies: Integrated academic studies, Level 1/2
Course unit: PHYSICAL MEDECINE AND REHABILITATION
Teacher in charge : Professor ALEKSANDRA JURISIC SKEVIN MD, DSc
Language of instruction : ENGLISH
ECTS: 2
Prerequisites: Completed course in physical medecine and rehabilitation
Semester: SUMMER SEMESTER
Course unit objective: Acquiring knowledge and skills in physical medecine and rehabilitation.
<p>Learning outcomes of Course unit:</p> <ul style="list-style-type: none"> - Knowledge about medical treatment of the most prevalent disorders in physical medecine and rehabilitation (e.g. joint replacement, fractures, degenerative disc disease, spondylosis, osteoarthritis, stroke, lesion of peripheral nerves, scoliosis, cerebral palsy etc) - Knowledge about physical therapy treatments and rehabilitation tehniques of the most prevalent disorders in population - Skills of patients physical therapiest examination and the assessment and management of restoring or optimizing movement and function after injury or disease - Skills of making appropriate choices and tailoring physical therapy treatment and rehabilitation program according to the needs of patients
<p>Course unit contents</p> <p><i>Theoretical classes</i></p> <p>Thermotherapy. Mechanotherapy. Electrotherapy 1 and 2. Magnetotherapy and laser therapy. Phototherapy. Hydro and balneotherapy. Kinesitherapy. Prosthetics and orthotics. Rehabilitation in orthopedics and traumatology. Rehabilitation in central motor neuron lesion. Rehabilitation in peripheral motor neuron lesion. Rehabilitation in rheumatology. Rehabilitation in pulmonology and cardiology. Child rehabilitation.</p> <p><i>Practical classes</i></p> <p>Principles of patient physical therapiest examination with a special emphasis on the assessment of the neuromusculoskeletal system and functional abilities. Principles of tailoring physical therapy treatment and rehabilitation program according to the needs of patients of all ages.</p>

Literature

DeLisa's Physical Medicine and Rehabilitation, Walter R. Frontera 2013; Physical Medicine and Rehabilitation, Jevtic M, Faculty of Medicine Kragujevac 1999; Handbook for practical classes from clinical biomechanics, Djordjevic D, Parezanovic Ilic K, Bogojevic P, Faculty of Medical Sciences, Kragujevac 2012.

Number of active teaching hours				Other classes
Lectures: 30	Practice: 15	Other forms of classes:	Independent work: 75	
Teaching methods: Lectures, practice in a clinic, clinical problems solving				
Examination methods (maximum 100 points)				
Exam prerequisites	No. of points:	Final exam	No. of points:	
Student's activity during lectures	40	oral examination	60	
practical classes/tests		written examination		
Seminars/homework				
Project				
Other				

Grading system		
Grade	No. of points	Description
10	95-100	Excellent
9	85-94	Exceptionally good
8	75-84	Very good
7	65-74	Good
6	55-64	Passing
5	< 54	Failing

Course unit description