

1.	Subject	PHYSICAL MEDICINE AND REHABILITATION			
2.	Code	OM 515			
3.	Study program	Study for Doctors of Medicine			
4.	Institution (Unit, Institute, Chair, Department)	“Ss Cyril and Methodius” University, Faculty of Medicine, Institute for Physical Medicine and Rehabilitation, Cathedra of Physical Medicine and Rehabilitation			
5.	Degree of education (first or second cycle)	Integrated 6-year study			
6.	Study year/semestar	Fifth/IX	7.	Number of ECTS credits	1
8.	Responsible teacher	Prof. Erieta Nikolikj Dimitrova, MD, MSc, PhD, PRM specialist			

9.	Preconditions	Requirement for the ninth semester fulfilled			
10.	<p>Teaching goals:</p> <ul style="list-style-type: none"> - To acquire knowledge for fundamentals of physical therapy - To acquire knowledge for physiological and therapeutic effects of some physical modalities - To understand positive effects of kinesitherapy (exercise therapy) and occupational therapy - To acquire knowledge for orthopaedic devices and their use in rehabilitation - To acquire rehabilitation procedures for rehabilitation of patients with rheumatologic, neurologic, orthopaedic disorders, child diseases, posttraumatic conditions, rehabilitation of cardiovascular and pulmonary diseases - To know indications and contraindications for physical therapy and rehabilitation - To acquire knowledge for multidisciplinary approach in rehabilitation - To become qualified for education of patients about their need for physical therapy and rehabilitation treatment 				

11.	<p>Brief content</p> <p>Theoretical course:</p> <ul style="list-style-type: none"> - Introduction to physical medicine and rehabilitation - Patient's examination - Heat therapy - Light therapy - Hydrotherapy - Balneotherapy - Fundamentals of electrotherapy - Manual therapy- massage, and spinal traction - Fundamentals of exercise therapy - Occupational therapy - Orthopaedic devices - Rehabilitation of patients with rheumatologic diseases - Rehabilitation of patients with neurologic diseases - Rehabilitation of patients with orthopaedic diseases and posttraumatic conditions - Rehabilitation of diseases in childhood - Rehabilitation of patients with cardiology and pulmonary diseases - <p>Practical lessons:</p> <p>Introduction to different therapeutic rehabilitation programs</p> <p>Training for application of some methods of physical therapy in a variety of injuries and illnesses (infra –red rays, ultraviolet rays, ice therapy)</p>			
12.	<p>Methods of studying:</p> <p>Interactive teaching during lectures and practical trainings, classes of practical instruction, independent study by using textbooks.</p>			
13.	Total available time:	30 classes		
14.	Organization of the course	<p>15 classes - theoretical course, practical course</p> <p>15 classes - home individual learning</p>		
15.	Forms of teaching activities	15.1	Lectures-theoretical lessons	7 classes
		15.2	Practical instructions, clinical lessons, team work	8 classes

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16.	Other forms of activities	16.1	Practice	
		16.2	Individual tasks	
		16.3	Individual home learning	15 classes
17.	Method of assessment			
	17.1	Tests	min – max Continual assessment - 1 (written) 54-90 points	
		Final exam	Final exam: final test Final test is written 54-90 points The grade in the final exam is given according to the grading table, and on the basis of the sum of points obtained in all of the activities.	
	17.2	Seminar paper/project (oral/written presentation)		
	17.3	Active participation	min – max Theoretical course 1-3 points Practical course 5- 7 points	
18.	Grading criteria (points / grade)	up to 59 points	5 (five) F	
		from 60 to 68 points	6 (six) E	
		from 69 to 76 points	7 (seven) D	
		from 77 to 84 points	8 (eight) C	
		from 85 to 92 points	9 (nine) B	

		from 93 to 100 points	10 (ten) A		
19.	Requirement for signature and taking the final exam	<p>The student is required to actively follow all of the planned activities.</p> <p>Conditional criteria for assessment of knowledge: In order to get a signature, the student should obtain minimum points in both theoretical and practical courses. The grade in the final exam is given according to the grading table, and on the basis of the sum of points obtained in all of the activities.</p>			
20.	Language of instruction	Macedonian			
21.	Method of monitoring the quality of teaching process	Student's anonymous evaluation of the subject and teaching staff who are involved in the education.			
22.	Литература				
	Задолжителна литература				
	Р.бр	Автор	Наслов	Издавач	Година
22.1	1	Erieta Nikolikj-Dimitrova, Laserjet, Skopje, 2011	Textbook: Fizikalna medicina i rehabilitacija (Physical medicine and rehabilitation),	Laserjet Skopje	2011
	Доплнителна литература				
	Р.бр	Автор	Наслов	Издавач	Година
22.2	1	Eds.J. De Lisa	In Physical Medicine and Rehabilitation. Principles and Practice Some Chapters:		2011

				<p>-Therapeutic physical modalities - Massage</p> <p>-Rehabilitation of patients with amputation of lower extremity - Scoliosis and other deformities of the spine - Orthosis -Rehabilitation in the water etc.</p>		
		2	Eds. Randall Braddom	<p>In Physical Medicine and Rehabilitation.</p> <p>Some Chapters: - Modalities of physical agencies - Therapeutic exercises</p>		2011