

1	Subject	<b>PHYSIOTHERAPY</b>			
2	Code	DFT216			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	"Ss Cyril and Methodius" University, Faculty of Medicine, Cathedra (Desk) for Physical Medicine and Rehabilitation			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	2/4	7	Number of credits	2
8	Teacher	Chair of the Desk Prof. Erieta Nikolikj Dimitrova, MD, PhD, PRM specialist All members of Cathedra for PMR			
9	Preconditions	Passed all compulsory courses of 1 and 2 semester. Signatures of 3 and 4 semester courses			
10	Teaching goals:	<ul style="list-style-type: none"> <li>- To acquire knowledge for fundamentals of physical therapy</li> <li>- To acquire knowledge for physiological and therapeutic effects of some physical modalities</li> <li>- To understand positive effects of exercise therapy</li> <li>- To acquire knowledge and skills about application of some physical modalities in some illness in dental medicine</li> <li>- To acquire knowledge for fundamental techniques in massage, and to understand its positive effects</li> </ul>			
11	<b>Brief content</b>				
	<b>Theoretical course</b>				<b>Class</b>
	Introduction to Physical Medicine and Rehabilitation				2
	Fundamentals of Phototherapy				1
	Infrared Light therapy				1
	Ultraviolet Light therapy				2
	LASER therapy				1
	Fundamentals of heat therapy (thermotherapy)				1
	Ice therapy				1
	Paraffin therapy				1
	Electrotherapy, Ultrasound therapy, Electro-magnetic field therapy				2
	Manual massage				1
	Fundamentals of exercise therapy				1
	Exercises in patients with temporomandibular joint dysfunction				1
	<b>Total</b>				<b>15</b>
	<b>Seminars</b>				<b>Class</b>
	Application of Infrared light, Application of Ultraviolet light, Application of LASER therapy, Application of Ice therapy, Application of heat therapy				15
12	Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper				
13	Total available time	60 classes			

14	Organization of the course	15 classes - theoretical course, 15 classes- seminars, 30 classes - home individual learning and other activities				
15	Forms of teaching activities	15.1.	Theoretical course		15 classes	
		15.2.	Practical course, seminars		15 classes	
16	Other forms of activities	16.1.	Project tasks			
		16.2.	Individual tasks			
		16.3.	Individual (home) learning		30 classes	
17	Method of assessment	17.1.	Tests		18-30 points	
		17.2.	Active participation, seminar paper/project (oral/written presentation)		Theoretical lessons 3-5 points Practical lessons 3-5 points Seminar 18-30 points	
		17.3.	Final (oral) exam		18-30 points	
18	Grading criteria (points / grade)	Up to 59 points			5 (five) (F)	
		from 60 to 67 points			6 (six) (E)	
		from 68 to 75 points			7 (seven) (D)	
		from 76 to 84 points			8 (eight) (C)	
		from 85 to 93 points			9 (nine) (B)	
		from 94 to 100 points			10 (ten) (A)	
19	Requirement for signature and taking the final exam	The student is required to actively follow all of the planned activities. Conditional criteria for assessment of knowledge: In order to get a signature, the student should obtain minimum points in both theoretical and practical courses, and to present seminar paper; In order to take the final exam, the student should obtain the minimum points from activity and test;				
20	Language of the course	English				
21	Method for evaluation of the quality of education	Anonymous student's evaluation of the subject, teachers and collaborators involved in the educational activities				
22	<b>Literature</b>					
	22.1.	<b>Mandatory textbooks</b>				
		No.	Author	Title	Publisher	Year
		1	Erieta Nikolikj-Dimitrova,	Textbook: Fizikalna medicina i rehabilitacija (Physical medicine and rehabilitation)	Laserjet, Skopje	2011
2	Eds. Braddom Randall	In Physical Medicine and Rehabilitation. 4 <sup>th</sup> Edition  Some Chapters: - Physical agent modalities -Therapeutic exercises	Elsevier Saunders	2011		

				- Manipulation, traction and massage			
		3.	Eds. De Lisa Joel	In Physical Medicine and Rehabilitation. Principles and Practice  Some Chapters: -Therapeutic physical agents, 252-270 -Manipulation, Massage and Traction, 285-309 etc. Therapeutic exercises, 390-438	Lippincott Williams and Wilkins	2005	
		4.	Hall C.M.	The temporomandibular joint. In Therapeutic exercises., 499-524	Lippincott Williams and Wilkins	1999	
	22.2.	<b>Additional literature</b>					
		No.	Author	Title	Publisher	Year	
		1.	Erieta Nikolikj-Dimitrova,	Textbook: Osnovi na fizikalna terapija (Fundamentals of Physical Therapy)	Laserjet, Skopje	2009	