
		<b>UNIVERSITY OF EAST SARAJEVO</b> Faculty of Medicine					
		<b>Study program: Medicine</b>					
		Integrated academic studies		Year of study: V			
<b>Full course title</b>		PHYSICAL MEDICINE AND REHABILITATION					
<b>Department</b>		Department of Surgery, Faculty of Medicine in Foča					
<b>Course code</b>			<b>Course status</b>		<b>Semester</b>		<b>ECTS</b>
ME-02-1-050-10			compulsory		X		3
<b>Teacher/s</b>		Full professor Ksenija Boškovic, MD, PhD; Assistant professor Dejan Nikolic, MD, PhD					
<b>Associates</b>		Clin. assoc. Dragana Mirkovic, MD					
<b>The number of teaching hours/ teaching workload (per week)</b>			<b>Individual student workload (in hours per semester)</b>			<b>Coefficient of student workload S<sub>0</sub><sup>1</sup></b>	
<b>L</b>	<b>E</b>	<b>SP</b>	<b>L</b>	<b>E</b>	<b>SP</b>	<b>S<sub>0</sub></b>	
1	2	0	1*15*1	2*15*1	0*15*1	1	
Total teaching workload (in hours, per semester) 1*15 + 2*15 + 0*15 =45			Total student workload (in hours, per semester)1*15*1 + 2*15*1 + 0*15*1 = 45				
Total subject workload (teaching+student): 45 + 45 = 90hours per semester							
<b>Learning outcomes</b>		Upon completion of this course students will be able to: 1. Use physical agents in prevention 2. Determine indications and contraindications for application of physical agents 3. Make a plan of rehabilitation for patients with orthopedic and post-traumatic conditions 4. Make a plan of rehabilitation for patients with rheumatoid diseases					
<b>General competences</b>		They have adopted attitudes concerning medical ethics. They are prepared for further development and advances within the field of medicine. They are acquainted with a specific diagnostic algorithm. They are capable of making appropriate therapeutic decisions. They are capable of acting in accordance with rational and scientific concepts and principles. They are respectful to the patients regardless of their gender, age, race, social and economic status, education, culture or religion. They advocate for the patient's right to participate fully in medical treatment decisions, including the right to the refusal of care or participation in the process of education and scientific research. They are capable of expressing themselves and communicating in a manner that is both understandable and acceptable to the patient. They are prepared for accepting responsibility and appropriate medical decision-making. They are eager to collaborate with other medical professionals. They are eager to react constructively to the outcomes of assessment- criticism and praise.					
<b>Preconditions</b>		Precondition for taking the exam: all of the fourth year exams passed					
<b>Teaching methods</b>		Lectures, video presentations, clinical rotations, seminar papers, case studies					
<b>Course content per week</b>		<b>Lectures</b> 1. Physical agents-phototherapy 2. Magnetotherapy магнетотерапија, 3. Thermotherapy, cryotherapy 4. Hydrotherapy and balneotherapy 5. Electrotherapy according to groups 6. The technique of administering medications using galvanic current 7. Ultrasound therapy 8. Kinesiology and kinesiotherapy 9. Clinical examination in physiatric practice 10. Orthopedic patients rehabilitation plan 11. Rheumatoid patients rehabilitation plan 12. Rehabilitation of lesions of the central and peripheral motor neuron 13. Pulmonary and cardiovascular rehabilitation 14. Process of prosthetic rehabilitation 15. Habilitation and rehabilitation process in children					

<sup>1</sup> Coefficient of student workload  $S_0$  is calculated as it follows:

a) for the study programs not going through the licensing process:  $S_0 = (\text{total workload in semester for all of the subjects } 900 \text{ hrs} - \text{total teaching workload } L + \text{Ein semester for all of the subjects } 870 \text{ hrs}) / \text{total teaching workload } L + \text{Ein semester for all of the subjects } \text{ hrs} = \text{ hrs}$ . Consult form content and its explanation.  
b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

<b>Course content per week</b>	<b>Exercises</b> 1. Physical agents-phototherapy 2. Magnetotherapy 3. Thermotherapy, cryotherapy – presentation and usage of the equipment 4. Hydrotherapy and balneotherapy – demonstration of the procedure 5. Electrotherapy according to groups – presentation and usage of the equipment 6. The technique of administering medications using galvanic current – demonstration of the technique 7. Ultrasound therapy – presentation and usage of the equipment 8. Kinesiology and kinesiotherapy – group and individual work 9. Clinical examination in physiatric practice – general and individual aspects - presentation 10. Orthopedic patients rehabilitation – case presentation 11. Rheumatoid patients rehabilitation plan – case presentation 12. Rehabilitation of lesions of the central and peripheral motor neuron – case presentation 13. Pulmonary and cardiovascular rehabilitation – case presentation 14. The process of prosthetic rehabilitation – presentation of orthoses, protheses and assistive devices 15. Habilitation and rehabilitation process in children – case presentation			
	<b>Compulsory literature</b>			
	<b>Author/-s</b>	<b>Publication title, publisher</b>	<b>Year</b>	<b>Pages (from-to)</b>
	Jevtić M.	Physical Medicine and Rehabilitation, Faculty of Medicine in Kragujevac	1999.	1 - 669
	<b>Additional literature</b>			
	<b>Author/-s</b>	<b>Publication title, publisher</b>	<b>Year</b>	<b>Pages (from-to)</b>
<b>Student responsibilities, types of student assessment and grading</b>	<b>Grading policy</b>		<b>Points</b>	<b>Percentage</b>
	Pre-exam activities			
		lecture attendance	10	10%
		exercise attendance	10	10%
		case study (teamwork)	10	10%
		seminar paper	20	20%
	Final exam			
		Written exam	50	50%
	TOTAL		100	100 %
<b>Certification date</b>	June 17th 2024			

\* the number of necessary rows is added by using *insert mode*