

<b>Name of the course</b>	<b>Physical and Rehabilitation Medicine</b>			<b>Code</b>	MSE512
<b>Type of study program:</b>	Integrated university study program, Medicine			<b>Year of study:</b>	5
<b>Credits (ECTS):</b>	2.0	<b>Semester:</b>	X	<b>Number of hours per semester (l+s+e):</b>	40 (10+10+20)
<b>Status of the course:</b>	obligatory	<b>Preconditions:</b>	According to the Rulebook	<b>Comparative conditions:</b>	/
<b>Access to course:</b>	Fifth year students			<b>Hours of instructions:</b>	According to schedule
<b>Course teacher:</b>	Assistent Professor Mladenka Naletilić, MD, PhD				
<b>Consultations:</b>	As agreed with students				
<b>E-mail address and phone number:</b>	naletilic.mladenka@gmail.com				
<b>Associate teachers</b>	Jelena Soldo, MD, MSc Alen Brekalo, MD				
<b>Consultations:</b>	As agreed with students				
<b>E-mail address and phone number:</b>	jelena.soldo@gmail.com				
<b>The aims of the course:</b>	The aims of the course are: Providing basic knowledge of clinical examination, diagnostics and treatments in the field of physical medicine and rehabilitation.				
<b>Learning outcomes (general and specific competences):</b>	<ol style="list-style-type: none"> <li>1. Explaining the role of physical medicine and rehabilitation in patient treatment.</li> <li>2. Describing and explaining basic principles and selecting proper procedures of physical medicine and rehabilitation.</li> <li>3. Analyzing and differentiating categories of the physical medicine and rehabilitation according to the criteria of the World Health Organization.</li> <li>4. Creating proper rehabilitation approach (identifying problem, selecting aims of rehabilitation, planning rehabilitation procedures, reviewing functional outcomes)</li> <li>5. To complete successfully a problem-oriented history and physical examination specific to the patient's complaints.</li> <li>6. To present basic modalities of diagnostics and treatment in physical and rehabilitation medicine.</li> <li>7. To recognize and evaluate the importance of a multidisciplinary approach in the treatment of the patient.</li> <li>8. Identifying indications and contraindications for the physical medicine treatment.</li> </ol>				
<b>Course content (Syllabus):</b>	Physical and Rehabilitation Medicine course consists of lectures, seminars and exercises conducted at School of Medicine University of Mostar and Physical medicine and rehabilitation department of University Hospital Mostar.				
<b>Format of instruction (mark in bold)</b>	<b>Lectures</b>	<b>Exercises</b>	<b>Seminars</b>	Independent assignments	
	<b>Consultations</b>	Work with mentor	Field work	Other	
<b>Student responsibilities</b>	Students will be evaluated based on class attendance and class participation, as well as in practical training with patients.				
<b>Screening student work (mark in bold)</b>	<b>Class attendance</b>	<b>Class participations</b>	Seminar essay	<b>Practical training</b>	
	<b>Oral exam</b>	Written exam	Continuous assessment	Essay	
<b>Detailed evaluation within a European system of points</b>					
<b>STUDENTS RESPONSIBILITIES</b>	<b>HOURS</b>	<b>PROPORTIONS OF ECTS CREDITS</b>		<b>PROPORTIONS OF GRADE</b>	
Class attendance and participation	40	1.3		5%	
Oral exam	15	0.5		85%	
Practical exam	5	0.2		10%	
Total	60	2		100%	
Further clarification: The final grade is the sum of = attendance 5 % + practical exam 10 % + final oral exam 85 %					

Practical part of the exam is practical examination with a patient. The practical part of the exam is worth 10 points. Passing the practical part of the exam is a condition for accessing the theoretical part of the final exam, and as such is valid for the entire academic year.

10 points - excellent (5)  
 8.5 points - very good (4)  
 7.0 points - good (3)  
 5.5 points - sufficient (2)  
 0 points - insufficient (1)

The oral theoretical part of the exam includes a test of knowledge from the entire material and the ability to conclude and connect the theoretical knowledge as a whole. It is evaluated with 85 points.

85 points - excellent (5)  
 72.25 points - very good (4)  
 59.5 points - good (3)  
 46.75 points - sufficient (2)  
 0 points - insufficient (1)

**Final score:**

The final assessment is carried out according to the Regulation of Studies of the University of Mostar and applies to all study groups. According to the Regulations on studying final grade is obtained as follows:

A = 91-100% 5  
 B = 79 to 90% 4  
 C = 67 to 78% 3  
 D = 55 to 66% 2  
 F = 0 to 54% 1

<b>Required literature:</b>	- Cameron M.H. Physical Agents in Rehabilitation. From Research to Practice, fourth edition. Elsevier Saunders, 2013. Missouri.
<b>Optional literature:</b>	- Sivan M., Phillips M., Baguley I., Nott M. Oxford handbook of rehabilitation medicine. Oxford University Press, 2019. New York.
<b>Additional information:</b>	

Annexes: calendar classes

<b>The number of teaching units</b>	<b>TOPICS AND LITERATURE</b>
<b>I.</b>	Title: Introduction to physical medicine and rehabilitation
	Short description: short history, forms and significance of physical medicine and rehabilitation, selecting aims and planning physical and rehabilitation treatment, evaluation of treatment.
	Literature: required and optional
<b>II.</b>	Title: Physical medicine and rehabilitation in orthopedics and traumatology
	Short description: principles and forms of rehabilitation and physical therapy in treatment of locomotor system disorders.
	Literature: required and optional
<b>III.</b>	Title: Forms of physical procedures in treatment of patients.
	Short description: electrotherapy, hydrotherapy, thermotherapy, light therapy, balneotherapy, kinesitherapy.
	Literature: required and optional
<b>IV.</b>	Title: Principles and forms of rehabilitation in treatment of central and peripheral motor neuron disorders.
	Short description: Reduction of neurological deficit, improving function, autonomy and quality of life during and after neurological disorders.
	Literature: required and optional
<b>V.</b>	Title: Physical medicine and rehabilitation treatment in rheumatological disorders (inflammatory and degenerative).
	Short description: early diagnosis, drug and physical treatment, prevention of deformities, preserving of function and quality of life.
	Literature: required and optional
<b>VI.</b>	Title: Habilitation and rehabilitation of cerebral and congenital disorders of the child.
	Short description: early diagnosis, neurodevelopmental therapy, reflex locomotion and evaluation of outcomes.
	Literature: required and optional