

Subject	PHYSIOTHERAPY IN RHEUMATOLOGY
Study program	Three years of professional studies for graduated physiotherapist
Code	SF -312
Academic year	Third
Semester	Third
Total lessons	150
Credits	9
Type of subject	Obligatory
Preconditions	Filled to enrol in the third year
Responsible teachers	Prof. George Bozinovski, M.D., Ph.D. and prof. Erieta Nikolikj-Dimitrova, M.D., Ph.D.
Executed by	Chair of Internal Medicine and Chair of Physical Medicine and Rehabilitation
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Key words	Studies of physiotherapists, professional subject, physiotherapy, rheumatology
Goals of study	<ul style="list-style-type: none"> To acknowledge the role of the physiotherapist within multidisciplinary treatment of rheumatic patients To understand applies of physiotherapy methods in chronically ill patients in order to control pain, deformities and to maintain the functional independence
Classes description (brief content)	<p>Theoretical instruction (20 lessons):</p> <ul style="list-style-type: none"> Profile of rheumatic ill patient The role of the physiotherapist Principles of functional assessment (subjective-objective) and measuring outcomes <ul style="list-style-type: none"> Types and selection of rehabilitation methods and devices <p>(Indications, contraindications, prescriptions, complications)</p> <ul style="list-style-type: none"> Physiotherapeutic methods for inflammatory and non-inflammatory phase of the disease Physiotherapeutic methods for: <ul style="list-style-type: none"> Rheumatoid arthritis Spondylitis ankylosans Osteoarthritis Degenerative spinal diseases Systemic lupus erythematosus

	<ul style="list-style-type: none"> • Systemic sclerosis • Fibromyalgia • Osteoporosis • Metabolic arthropathies • Extra-articular rheumatism • Complex regional pain syndrome <p>Practical instruction (30 lessons): Training the physiotherapist for application of exercise therapy in patients with rheumatic diseases. Training the physiotherapist for applying orthopaedic devices in the rehabilitation of patients with rheumatologic diseases.</p> <p>Practice – practical training (100 classes): Practice is obligatory and is carried out in institutions of rehabilitation under the guidance of a mentor-teacher and physiotherapist responsible for that department. The student is obliged to engage in all activities in the area of physiotherapy during the full-time, and keep a diary of their activities.</p>
Organization	Theoretical instruction : 20 lessons Practical instruction: 30 lessons Practice: 100 classes
Learning methods	Lectures, practical lessons and practical training
Provided results of study	Knowledge and understanding: The student will acquire the knowledge and understanding physiotherapeutic methods applied in patients with rheumatological diseases. Key skills: The student will be able to apply them in practice acquired theoretical knowledge.
Specific recommendations for instruction	The student is responsible to actively monitor all the anticipated activities, including participation in continuous checks of knowledge to get a signature.

	Ranking student's activities:		
	Type of Activity	Points	
	Theoretical instruction *	5-10	
	Practical instruction **	7,5-15	
	Practice ***	7,5-15	
	Continuous checks (examination)	25-40	
	Practical Exam	15-20	
	Total:	60-100	
	<p>* Presence on theoretical instruction: 51% - 60% - 5 points; 61% - 70% - 6 points; 71% - 80% - 7 points; 81% - 90% - 8 points; 91% -100% - 10 points.</p> <p>* Practical training: each practical lesson brings 0.5 points (30 practical lessons): presence - 0.25 points activity on practical lessons- 0.25 points</p> <p>*** Successfulness of practice: 51% - 60% - 7.5 points; 61% - 70% - 9.5 points; 71% - 80% - 12 points; 81% - 90% - 13 points; 91% -100% - 15 points.</p> <p>Conditional criteria: The student is required to regularly textbooks attend theoretical and practical teaching approaches continuous checking. Verification of knowledge and is written and performed after lectures and exercises. The practical part of the exam is performed after Practice, consists in checking the practical knowledge and evaluation of the diary kept by the student and evaluate behaviour and student engagement. Assessment of overall exam is obtained according to the table estimates, based on the sum of points from all activities including continuous checks and practical part the exam. The student is obliged to win a minimum score (60%) of continuous checking and practical exam otherwise, there is a complete final exam.</p> <p>Complete the Final Exam: The exam is written and / or practical. Consists of continuous checking and / or practical part of the exam that the student does not win minimum points.</p>		
Learning	Basic:		

materials	Authorized lectures from the Chair
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