Subject	PHYSIOTHERAPY IN NEUROLOGY	
Study Program	Three years professional studies for graduated physiotherapist	
Code	SF-311	
Study Year	Third	
Semester	Fifth and Sixth	
Total number of	170	
classes		
Credits	9.5	
Type of subject	Obligatory	
Preconditions	Fulfilled requirement to register for third year	
Executed by	Chair of Neurology and Chair of Physical Medicine and Rehabilitation	
Responsible	Associate Professor Gordana Kiteva-Trencheva, M.D., Ph.D. and	
Teachers	Associate Professor Erieta Nikolikj-Dimitrova, M.D., Ph.D.	
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Key words	Studies for physiotherapists, professional subjects, physiotherapy,	
5	neurology	
	$\checkmark$ To learn about the role of a physiotherapist in the	
	multidisciplinary treatment of patients with neurological disorders	
Goals of study	$\checkmark$ To comprehend and apply the physiotherapeutic methods to	
	patients with neurological disorders	
	<b>Theoretical instructions</b> (30 lessons):	
Class descriptions - Role of a physiotherapist		
(brief content)	- Profile of a patient with neurological disorders	
(oner content)	- Principles of functional assessment and measuring the outcomes	
	- Disorder in the muscle tonus and movement	
	- Physiotherapeutic methods in:	
	- Stroke	
	- Traumatic brain injuries	
	- Spinal cord injuries	
	- Coma	
	- Injuries and disorders of peripheral nerves	
	- Multiple sclerosis	
	- Parkinson's disease	
	- Huntington's disease	
	- Motor neuron diseases	
	- Polyneuropathies	
	- Muscle disorders	
	- Physiotherapeutic methods in neurological sufferings in adults with	
	onset in the childhood	
	- Physiotherapeutic treatment of pain	

	- Application of orthopedic devices in	rehabilitation of the patients	
	- Application of orthopedic devices in rehabilitation of the patients with neurological diseases and injuries		
	Practical instruction (40 lessons):		
	Training of a physiotherapist to apply exercise therapy in patients neurological diseases or conditions after spinal, head or periphera nerve injury		
	Training of a physiotherapist to app rehabilitation of patients with neurolo spinal, head or peripheral nerve injury	gical diseases or conditions after	
	Practice (100 classes):		
	Practice is mandatory and is carried out Medicine and Rehabilitation under guid physiotherapist responsible for that depa engage in all activities in the field of phy full-time working hours and keep a log	ance of a mentor-teacher and artment. The student is obliged to ysiotherapy in the course of the	
Organization	Theoretical instruction: 30 lessons		
	Practical instruction: 40 lessons		
	Practice: 100 classes		
Methods of Learning	Lectures, practical lessons, practice (pra	ctical training)	
	Knowledge and understanding:		
Provided results of study	The student will acquire knowledge and comprehension for the physiotherapeutic methods applied in patients with neurological disorders and diseases. <b>Key skills:</b> The student will be able to apply the acquired theoretical knowledge in practice.		
	The student is obligated to take part in a participation in continuous knowledge e signature.	-	
	Ranking the student's activities:		
	Kind of activity	Points	
	Theoretical instruction*	7.5 - 15	
	Practical instruction**	8 - 16	
	Practice***	7.5 - 15	
~	Continuous examinations-2	25 - 40	
Specific teaching	Practical examination	12-16	
recommendations	In total:	60-100	
	* Presence at theoretical instruction: 51% - 60% - 7.5 points 61% - 70% - 9.5 points		

	71% - 80% - 12 points
	81% - 90% - 13 points
	91% - 100% - 15 points
	5170 - 10070 - 15 points
	** Practical instruction: every practical lesson brings 0.4 point (40
	exercises)
	presence $-0.2$ points
	activity at the exercise $-0.2$ points
	*** Results of the practice
	51% - 60% - 7.5 points
	61% - 70% - 9.5 points
	71% - 80% - 12 points
	81% - 90% - 13 points
	91% - 100% - 15 points
	Criteria as a condition: The student is required to regularly attend
	theoretical and practical lectures in order to approach continuous checks.
	Knowledge examinations are written and/or oral. The practical part of the
	examination is carried out after completion of the practice and consists of
	checks in the practical knowledge and the result of the log book kept by
	the student, result of the behavior and the engagement of the student. The
	grade for the entire examination is obtained according to the table of
	results, based on the sum of the points achieved for all the activities,
	including the continuous checks and practical part of the examination.
	The student is obliged to achieve minimum points (60%) of the
	continuous examinations (colloquiums) and the practical examination,
	otherwise he/she takes the complete final examination.
	Complete Final Examination:
	The examination is written and/or practical. It consists of continuous
	checks and/or the practical part of the examination of which the student
	has failed to obtain the minimum required points.
Teaching aids	Basic:
	Lectures approved by the Chair.
	Additional:
	- Edwards S. Neurological Physiotherapy, 2 <sup>nd</sup> Edition. Churchill
	Livingstone, 2001.
	- DeLisa JA, Rehabilitation medicine. JB Lippincott, Philadelphia, 2005