Subject: Physiotherapy in Neurology

I. General information

Organization unit	Eaculty of Bobabilitation
Organization unit	Faculty of Rehabilitation
	Supervisor: Prof. Edyta Smolis-Bąk
Course name	Physiotherapy in Neurology
Subject code	FV-76
Teaching language	English
Type of subject (obligatory/ facultative)	Obligatory
Level of studies	Master (linear)
Study years	4
Semesters	9
ECTS points	2
Teacher/ e-mail	<u>martasidaway@gmail.com</u>
Studies program in which the subject is realized	Physiotherapy
Method of realization (stationary/ distance learning)	Stationary
Prerequisites	Prerequisites. Prior to the module, the student has knowledge of: normal and functional anatomy, kinesitherapy, physiology, pathophysiology, kinesiology, clinical biomechanics, pathomechanics, clinical basics of physiotherapy

II. Detailed Information

Course aims and objectives

A1	To acquaint the student with the clinical consequences of peripheral and central
	nervous system diseases.
A2	To acquaint students with strategies physiotherapy in various neurological diseases divided into: durable, non-progressive disease, slowly progressive, rapidly progressive and chronic.

A3	To familiarize students with the methods of physiotherapy in neurological diseases		
	in all periods.		
A4	Preparing students for cooperation with other medical professions in the treatment of people suffering from diseases of the nervous system, including a		
	neuropsychologist, neurologist, occupational therapist, nurse and doctor.		

Learning outcomes

Learning outcome	Subject's learning outcomes		
Knowledge			
In terms of knowledge, the graduate knows and understands: D.W6 general principles of subjective and objective examination: cardiological, neurological, orthopaedic and geriatric; D.W13 risks of hospitalization of the elderly; D.W15 principles of patient management: unconscious, in the period of acute circulatory failure, in the period of acute respiratory failure, in shock, with diagnosed sepsis, mechanically ventilated, after craniocerebral trauma and multiple traumas; D.W16 objectives and principles of the International Classification of Functioning Disability and Health (ICE)	 Describes and explains the process of physiotherapy in neurological diseases. Knows the principles and methods of : patient examination conducting the physiotherapy process of people with neurological diseases. Identifies and recognizes the needs of patients in the course of neurological diseases. 		
Disability and Health (ICF). Skills			
In terms of skills, the graduate can: D.U7 instruct patients or their caregivers how to perform exercises and medical training at home, how to use medical devices and everyday objects for therapeutic purposes; D.U13 plan, select - depending on the clinical and functional patient condition - and perform physiotherapy procedures in people with symptoms of brain stem, cerebellum and cerebral hemorrhage, with particular emphasis on stroke, parkinsonism, demyelinating diseases and physiotherapy treatments in people after spine fractures and with paralysis, conduct proceedings aimed at alleviating trophic and excretory disorders, verticalization and restore walking ability, instruct people after spinal injuries moving in a wheelchair;	Can: 1. Is able to examine the patient; 2. Control the effects of physiotherapy; 3. Choose medical devices according to the type of dysfunction and needs of the patient at each stage of rehabilitation and instruct the patient how to use them; 4. Apply physiotherapy to people in the course of neurological diseases.		

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Syllabus contents

No	Title		
	Classes/ Practical classes		
SC1	Physiotherapy people with central nervous system injury e.g stroke		
SC2	Physiotherapy people with peripheral nervous system damage e.g polineuropathy		
SC3	Physiotherapy people with degenerative diseases of the brain e.g Parkinson's disease		
SC4	Physiotherapy people with demyelinating diseases e.g MS		

Assessment criterion

Local grade	Grade	Criteria
5	Α	90% of knowledge and skills
4,5	В	85% of knowledge and skills
4	С	80% of knowledge and skills
3,5	D	70% of knowledge and skills
3	E	60% of knowledge and skills
2	F	< 60% of knowledge and skills

1ECTS point = 30 hours students work (contact + self study)

TYPES OF CLASSES	HOURS	
Contact hours	22,5	
Self study	37,5	
Total = 60 hours = 2ECTS		