NEUROLOGICAL REHABILITATION

Course Name	Code	Term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)		ECTS
NEUROLOGICAL REHABILITATION	FTR 300	**3.year/ 2.term Spring**	3	2	-		3
Prequisites							
Course language	Turkish						
Course type	Compulsory						
Learning and teaching strategies	Theory,Application						
Instructor (s)							
Course objective(Aim of course)	To ensure comprehending of, clinical characteristics of neurological diseases, mechanism formations of symptoms and signs that reveal in human body, measurement and assessment methods that used in neurological rehabilitation, application of neurophysiologic based techniques according to the case characteristics, to improve clinical decision making and problem solving skills in neurologic rehabilitation.						
Learning outcomes	1. Describe the neurologic diseases characteristics. 2. Classify the diseases according to central and peripheral nervous system characteristics and describe the clinical properties of upper and lower motor neuron. 3. Comprehending the neurophysiologic based measurement and assessment methods concerning with upper and lower motor neuron 4. Describe the effects of neurologic diseases on body functions, activity and participation; plan the treatment program in the process of clinical decision-making. 5. Select the neurophysiologic-based treatment program that appropriate for disease and apply basic level						
References	1.Algun C. Uygulamalı Fizik Tedavi ve Rehabilitasyon. Hacettepe Üniversitesi Fizik Tedavi ve Rehabilitasyon Yüksekokulu Yayınları: Ankara 1991. 2.Edwards S. Neurological physiotherapy: A problem-solving approach Elsevier Health Science 2002						

Course outline weekly:

Weeks	Topics
1. Week	Characteristics and mechanism formation of spinal cord injuries.
2. Week	Pathophysiology of spasticity, assessment and inhibitory methods.
3. Week	Clinical characteristics of complete and incomplete spinal cord injuries according to the levels and treatment methods.
4. Week	Components of normal movements and description, pathophysiology, assessment methods of ataxia.
5. Week	Neurophysiologic based treatment methods and applications specific for ataxia type.
6. Week	Clinical characteristics of multiple sclerosis
7. Week	Measurement- assessment methods and rehabilitation of multiple sclerosis.
8. Week	Clinical characteristics and measurement -assessment methods of Parkinson Disease
9. Week	Rehabilitation methods in Parkinson disease.
10. Week	Peripheral neuropathies and rehabilitation.
11. Week	Neuromuscular diseases and rehabilitation.
12. Week	Neuromuscular diseases and rehabilitation.
13. Week	Spina bifida, disc herniations and rehabilitation.
14. Week	Subarachnoid hemorrhage, spinal and intracranial tumors and rehabilitation
15. Week	FINAL EXAM

ECTS (Student Work Load Table)

Activities	Number	Duration	Total Work Load

Course Duration (X14)	14	3	42
Laboratory			
Practice	14	2	28
Field Study			
Study Time Of Outside Of Class (Pre-Study, Practice, Etc.)			
Presentations (Video shoot/Poster preparation/Oral presentation, Etc.)			
Seminars			
Project			
Case study			
Role playing, Dramatization			
Writing articles, Critique			
Time To Prepare For Midterm Exam	1	7	7
Final Exam Preparation Time	1	8	8
Total Work Load (hour) / 25(s)	85 / 25 = 3.4		
ECTS	3		

Evaluation System

Mid-Term Studies	**Number**	**Contribution**

Midterm exams	1	%50
Quiz		
Laboratory		
Practice	1	%50
Field Study		
Course Internship (If There Is)		
Homework's		
Presentation and Seminar		
Project		
Other evaluation methods		
Total Time To Activities For Midterm		100
Final works		
Final	1	%50
Homework		
Practice	1	%50
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		%50
Contribution Of Final Exam On Grades		%50
Total		100

The relationship between learning outcomes and the program qualifications of the courses

Program Qualifications	Learning outcomes				
	L.O.1	L.O. 2	L.O.3	L.O.4	L.O.5
1. Sufficient background in basic- clinical medical sciences and physical therapy and rehabilitation discipline; ability to use theoretical and practical skills and knowledge in these fields with analytical thinking	5	5	5		
2. Ability to determine, define, formulate and solve the factors that affect health; ability to choose and apply evidence based techniques and new methods for this aim.				5	5
3. Ability to choose and use modern equipments, techniques and modalities for physiotherapy and rehabilitation practices; effectively use the informatique technologies.					
4. Ability to design multidisciplinary research, keep records, collect appropriate data, analysis and interpret results.					
5. Ability to attain new knowledge, make literature reviews, use medical databases and sources of information devoted to medical- health sciences					
6. To work autonomously and effectively in health team and self confidence to take responsibility					
7. To internalize characteristically development, literate and lifelong learning; quality development,to contribute education and promotion programs in field,to internationalize their professional behavior.					
8. To have professional deontology and ethical					

awareness					

Contribution to the level of proficiency: 1.   Lowest, 2. Low / Medium, 3. Average, 4. High, 5. Excellent