FTR305 - Pediatrics Rehabilitation

Course Name	Code	Term	Theory (hours/week)	Application (hours/week)	Laboratory (hours/week)		ECTS
Pediatrics Rehabilitation	FTR 305	4. semester/1.term Fall	2	3	-		4
Prequisites							
Course language	Turkish						
Course type	Compulsory						
Learning and teaching strategies	Lecture, case study, demonstration						
Instructor (s)							
Course objective(Aim of course)	Teaching goals, objectives, assessment and evaluation methods of rehabilitation in the pediatric group.						
Learning outcomes	1. Defines the concept and scope of pediatric rehabilitation 2. Understands normal motor development kinesiology in pediatric population, Knows the conditions that cause functional disability, handicap and obstacles in the pediatric population 3. Uses assessment of physiotherapy and Practices physiotherapy program in children with Cerebral Palsy and understands the concept of neurodevelopmental treatment approach (Bobath) 4. Uses appropriate assessment methods and practices physiotherapy and rehabilitation programme in torticollis, Down Syndrome, Myelodysplasias, obstetrical brachial plexus paralysis, high risk infants conditions which are commonly seen in childhood.						
References	1.Livanelioğlu A, Günel MK, Serebral Palsi'de Fizyoterapi;19-60,2009 Ankara, Yeni özbek Matbaası 2. Karaduman A, Yılmaz ÖT, Alemdaroğlu İ, Pediatrik Nöromusküler Hastalıklarda Fizyoterapi ve Rehabilitasyon; 1-73, 2014, Ankara,Pelikan yayıncılık 3. Elbasan B., Pediatrik Fizyoterapi Ve Rehabilitasyon, 2017, İstanbul, İstanbul Medikal Yayıncılık 4. Ayşe Karaduman, Öznur Tunca Yılmaz. Fizyoterapi ve rehabilitasyon : ortopedik rehabilitasyon pediatrik rehabilitasyon 2. Ankara : Pelikan Yayıncılık, 2016						

Course outline weekly:

Weeks	Topics
1. Week	Introduction to pediatric Rehabilitation, muscular dystropies& Neuromuscular diseases
2. Week	Diagnosis, treatment methods, physiotherapy and Rehabilitation of Duchenne Muscular Dystrophy (DMD)
3. Week	Diagnosis, treatment methods, physiotherapy and Rehabilitation of Spinal Muscular Atrophy
4. Week	Assessment and Rehabilitation of Obstetrical brachial plexus paralysis
5. Week	Myelodysplasias (Spina Bifida and Rehabilitation) & Congenital anomalies (Torticollis, Artrogripozis Multiplex Congenita, Talipes Ekinovarus)
6. Week	Down Syndrome, Spasticity Pathophysiology and Evaluation and treatment methods
7. Week	Kinesiology of normal motor development
8. Week	Midterm exam
9. Week	high risk infants and rehabilitation
10. Week	Causes and types of CP, Evaluation methods in CP , Movement&Posture and Gait Disorders in CP
11. Week	Physiotherapy assement to cerebral palsied children
12. Week	Physiotherapy approaches to cerebral palsied children, Neurodevelopmental treatment approach (bobath) principles
13. Week	Neurodevelopmental treatment approach (bobath)
14. Week	Case presentation
15. Week	An overview

ECTS (Student Work Load Table)

Activities	Number	Duration	Total Work Load
Course Duration (X14)	14	2	28
Laboratory			
Practice	14	3	42
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	10	10
Final Exam Preparation Time	1	20	20
Total Work Load (hour) / 25(s)	100 / 25		
ECTS	4		

Evaluation System

Mid-Term Studies	Number	Contribution
Midterm exams	1	%100
Quiz		
Laboratory		
Practice		
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	%40
Homework	1	%10
Practice	1	%50
Laboratory		
Total Time To Activities For Midterm		100
Contribution Of Midterm Studies On Grades		%40
Contribution Of Final Exam On Grades		%60
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
1-Acquire proficient infrastructure related to the field of Physiotherapy and Rehabilitation, gain the ability to use theoretical and practical knowledge and skills in this field.	**5**	**5**	**5**	**5**
2-Identify, define the factors affecting health and gain problem-solving skill by using the information they have; plan and implement a treatment and exercise program with appropriate evidence-based methods and new techniques.	**5**	**5**	**5**	**5**
3-Gain the ability to use information technologies effectively, as well as the ability to select and use modern tools, techniques and agents necessary for physiotherapy and rehabilitation applications.	**5**	**5**	**5**	**5**
4-Design individual and multidisciplinary research, keep records, prepare reports, analyze and interpret results for quality service and research in health sciences.				
5-They conduct a literature search to access the information by using evidence-based databases and information sources.				
6-Gain autonomy in interdisciplinary and individual studies, ability to work effectively and take responsibility and awareness of the universal and social effects of their professional practice.				
7-Adopt life-long learning; contribute to quality improvement, field-related training and introductory programs and exhibit their professional behavior at national and international level.				
8-Have deontological and ethical awareness in professional researches and applications.				

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