

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 | <ol style="list-style-type: none"> Defines the concept and scope of pediatric rehabilitation Understands normal motor development kinesiology in pediatric population, Knows the conditions that cause functional disability, handicap and obstacles in the pediatric population Uses assessment of physiotherapy and Practices physiotherapy program in children with Cerebral Palsy and understands the concept of neurodevelopmental treatment approach (Bobath) 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 | <ol style="list-style-type: none"> 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