Course Title	Code	Semester	Theoretical (hour/week)	Practice (hours/week)	Laboratory (hour/week)	ECTS
Evaluation and Physiotherapy Methods in Cerebral Palsy	**FTR 617**		**3**	**0**	**0**	**10**
Prerequisites	-					
Course Language	Turkish					
Course Type	Compulsory					
Teaching Methods	lecture, presentation, discussion, team/group work, report preparation and/or presentation, drill-practise, case study, Problem solving					
Instructor(s)						
Course Objective	The aim of this course in children diagnosed with cerebral palsy, motor, postural, and functional disorders comprehensive evaluation of teaching skills; the current scientific evidence-based and individualized rehabilitation programs to teach the methods of physiotherapy is to gain competence in designing.					
Course Learning Outcomes	1. cerebral palsy, motor, postural, and functional assessment describes the tools and implements. 2. critically evaluate the existing methods by doing a literature review physiotherapy. 3. for individuals with cerebral palsy, evidence-based, individualized programs design and implement physiotherapy					
References	1. rahli, A. (2024). Physical therapy for Children With cerebral palsy: An evidence-based approach. Routledge. 2. Dalziel, K., Imms, C., & Taylor, N. F. (2010). Physiotherapy and occupational therapy for people with cerebral palsy: a problem-based approach to assessment and management. Mac Keith Press. 3. Gough, M., & Shortland, A. (2012). Children with cerebral palsy in the musculoskeletal system: A philosophical approach to Management. Mac Keith Press. 4. Miller Freeman, W. (2007). Physical therapy of cerebral palsy. Springer. 5. Novak, I., McIntyre, S., Morgan, C., Campbell, L., Dark, L., Morton, N., & Goldsmith, S. (2013). A systematic review of Interventions for Children with cerebral palsy: State of the evidence. Developmental Medicine & Child Neurology, 55(10), 885-910. 6. SANKO University, e-resources (Pubmed, Springer, etc.)					

WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Introduction to cerebral palsy: definition, classification, and epidemiology
2.	Neurological Foundations and Mechanisms of Motor Disorders
3.	Motor control and motor learning principles for the application of cerebral palsy
4.	Posture, strength, tone, and range of motion measurements
5.	Functional assessment tools: GMFM, PEDI, MACS, CFCS
6.	Principles of neuroplasticity and rehabilitation
7.	Physiotherapy approaches: NDT Bobath, CIMT and other evidence-based methods
8.	**Mid-Term Examination**
9.	Approaches to rehabilitation after orthopedic surgery
10.	Multidisciplinary approaches to family-centered rehabilitation
11.	Technology-supported applications: robotics and virtual reality
12.	Discussion of the literature and clinical practices, evidence-based analysis,
13.	Case Presentations and Development of Individualized Physiotherapy Plans
14.	General Evaluation, Discussion, and Future Research Areas
15.	**Final Exam**

ECTS / WORK LOAD TABLE

Activities	**Number**	**Duration**	**Total Work Load**
Course	14	3	42
Laboratory	0	0	0
Practice	0	0	0
Field Study	0	0	0
Outclass course work hours (Self working / Teamwork / Preliminary work)	14	5	70
Presentation (video capture/preparation poster/Oral presentation/interview focus group questionnaire/application/observation and report writing)	14	3	42
Seminars			
Project	2	48	96
Case Study			
Role playing, dramatization			

Preparing and criticizing article			
Semester midterm exams			
Semester final exams			
Total workload **ECTS course**	**250/25** **10**		

EVALUATION SYSTEM

Midterm Studies	**Number**	**Contribution**
Midterm exam		
Quiz		
Laboratory		
Practice		
Field Study		
Specific practical training (If exists)		
Homework assignment		
Presentation and seminar	1	%25
Projects	1	%25
Other evaluation methods		
Total of Midterm Studies		%50
Final Studies		
Final		
Assignment	1	%50
Application		
Laboratory,		
Total of Final Studies		%50
Contribution of midterm studies to course grade		%50
Contribution of final studies to course grade		%50
Total Grade		100

RELATIONSHIPS BETWEEN COURSE LEARNING OUTCOMES AND PROGRAM QUALIFICATIONS

Program qualifications		Learning Outcomes		
		LO1	**LO2**	**LO3**
1.	Accesses, interprets, and applies advanced and original knowledge in the field of physiotherapy and rehabilitation.	**4**	**4**	**4**
2.	Conducts original research plans that contribute to the field using scientific methods.	**4**	**4**	**4**
3.	With a commitment to lifelong learning, follows current developments and technologies in the field, develops existing methods and techniques, and designs and implements new applications.		**4**	**4**
4.	Adopts and implements an evidence-based approach in clinical decision-making processes. Acts in accordance with ethical principles in research and practice.	**4**	**4**	**4**
5.	Establishes effective collaboration in interdisciplinary projects, plans, manages, and executes scientific projects. Effectively shares scientific knowledge on national and international platforms.	**4**	**4**	**4**
6.	Performs advanced clinical and laboratory practices in various specialties. Contributes to undergraduate and graduate educational activities and mentors students.	**4**	**4**	**4**
7.	Contributes to the development of health policies that improve rehabilitation services and public health.	**4**	**4**	**4**
8.	Is knowledgeable about statistical methods frequently used in health studies. Selects, applies, and interprets appropriate statistical methods.			
9.	Contributes to expanding the boundaries of knowledge in the field by publishing at least one scientific article in national and/or international peer-reviewed journals.		**4**	**4**

Contribution to the level of proficiency: 1: Low **2:** Low/Moderate **3:** Moderate **4:** High **5:** Excellent