Course Title	Code	Semester	Theoretical (hours/week)	Practical (Hours/week)	Laboratory (Hours/week)	ECTS
Physiotherapy and Rehabilitation in Balance and Gait Disorders	**FTR 605**		**3**	**0**	**0**	**10**
Prerequisites	-					
Course Language	Turkish					
Course Type	Compulsory					
Teaching Methods	Lecture, Presentation, Discussion, Team/Group Work, Report Preparation and/or Presentation, Application-Exercise, Case Study, Problem Solving					
Instructor(s)						
Course Objective	To provide a comprehensive assessment of balance and gait in children and adults with neurological conditions and to ensure that an appropriate physical therapy program is provided.					
Course Learning Outcomes	1.Discusses the characteristics, kinetics, and kinematics of normal walking. Interprets assessment findings. 2. Assesses balance and coordination and analyzes impairments. 3. Distinguishes rehabilitation program applications in pathological conditions.					
References	1. - John M. Safarik, "Tightrope Walking: A Guide to Keeping Your Balance," Tate Publishing, LLC, 2009 2. Living with Lewy Body Dementia 3. Jacquelin Perry, Judith M. Burnfield. Gait Analysis, Second Edition, 2010 4. Bronstein A, Brandit T, Woollacott MH, Nutt JG, Clinical Disorders of Balance, Posture and Gait, Arnold, 2004 5. SANKO University, e-resources (PubMed, Springer, etc.)					

WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Evaluation of normal walking
2.	Kinetic and Kinematic Analysis of Normal Gait
3.	Normal and pathological gait patterns
4.	Restoration of walking after paralysis
5.	Balance and coordination problems

6.	Evaluation of balance and coordination
7.	Balance and coordination exercises
8.	**Mid-Term Examination**
9.	Evidence-based research on balance
10.	Walking problems in adult and pediatric neurological diseases
11.	Gait analysis and assessment
12.	Walking exercises and treatment approaches for walking disorders
13.	Evidence-based research on walking
14.	Case discussion on walking and balance disorders
15.	**Final Exam**

ECTS / WORKLOAD TABLE

Activities	**Number**	**Duration**	**Total Workload**
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
Presentations (Video preparation / Poster preparation / Oral presentation / Focus group discussion / Applying questionnaire/ Observation and report writing)	14	3	42
Seminars			
Project	2	48	96
Case Study			
Role playing, dramatization			
Semester midterm exams			
Semester final exams			
Total Workload **ECTS**		**250/25** **10**	

EVALUATION SYSTEM

Midterm Studies	**Number**	**Contribution**
Midterm Exam		
Quiz		
Practical		
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		
Homework assignment	1	%50
Practice		
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.	Acquires, interprets, and applies advanced and original knowledge in the field of physical therapy and rehabilitation,	**4**	**4**	**4**
2.	Plans and conducts original research that contributes to the field using scientific methods.	**4**	**4**	**4**
3.	With a lifelong learning mindset, keeps abreast of current developments and technologies in the field, improves	**4**	**4**	**4**
	existing methods and techniques, and designs and implements new applications.			
4.	Adopts and applies an evidence-based approach in clinical decision-making processes. Acts in accordance with ethical principles in research and practice.		**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**
6.	Performs advanced clinical and laboratory practices in different areas of expertise. Contributes to undergraduate and graduate education activities and mentors students.	**4**	**4**	**4**
7.	Contributes to the development of rehabilitation services and health policies that promote public health.	**3**	**4**	**4**
8.	Has knowledge of statistical methods commonly used in health-related studies. Selects, applies, and interprets appropriate statistical methods.			
9.	Contributes to expanding the boundaries of knowledge in their field by publishing at least one scientific article in national and/or international peer-reviewed journals.			

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