Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Physiotherapy After Orthopedic Surgeries	**FTR613**		**3**	**0**	**0**	**10**
Prerequisites	-					
Course Language	Turkish					
Course Type	Elective					
Teaching Methods	Lecture, case analysis and discussion, literature review and article presentation, research planning					
Instructor(s)						
Course Objective	The aim of this course is to address the fundamental principles, current approaches, and evidence-based practices of physiotherapy following orthopedic surgical interventions at the doctoral level. The course aims to enable students to develop a multidisciplinary perspective, enhance their clinical problem-solving skills, and gain competence in research.					
Course Learning Outcomes	Upon successful completion of this course, students will be able to: 1. Explain tissue healing processes following orthopedic surgeries. 2. Understand the aims and principles of physiotherapy in the postoperative period. 3. Plan rehabilitation protocols according to different types of surgical procedures. 4. Analyze literature based on levels of evidence and translate findings into clinical practice. 5. Develop assessment and treatment plans based on case examples. 6. Discuss multidisciplinary treatment approaches. 7. Plan, conduct, and publish research.					
References	1. Orthopedic Rehabilitation: Principles and Practice Tony K. George, S. Ali Mostoufi, Alfred J. Tria Jr. (ed.) 2023 Springer eBook: 978-3-031-32026-2 2. Evidence-Based Rehabilitation: A Guide to Practice (3rd Ed.) Mary Law, Joy MacDermid 2024 Taylor & Francis ISBN: 978-1003524106 3. Textbook of Musculoskeletal Disorders Umile Giuseppe Longo ,Vincenzo Denaro (eds.) 2024 Springer International Publishing ISBN: 978-3031209895 4. Üst Ekstremite Yaralanmalarında Rehabilitasyon. Volga Bayrakçı Tunay, Zafer Erden, Cemil Yıldız 2021, Hipokrat Kitapevi, 5. Alt Ekstremite Yaralanmalarında Rehabilitasyon. Volga Bayrakçı Tunay, Zafer Erden, Cemil Yıldız 2017, Hipokrat Kitapevi, 6. Olgularla Ortopedik Rehabilitasyon. Derya Çelik 2025, İstanbul Tıp Kitabevleri 7. Sık Yapılan Ortopedik Ameliyatlar ve Rehabilitasyon Yaklaşımları. Mehmet Aşık, Defne Kaya, Gökhan Polat, İrem Düzgün 2021, Nobel Kitapevi 8. Recent meta-analyses and systematic reviews					

	9. Articles published in SCI and Q1 journals

WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Introduction and General Framework
2.	Physiology of Tissue Healing
3.	General Principles of Postoperative Care
4.	Hip and Knee Surgeries – Joint Arthroplasties
5.	Physiotherapy and Rehabilitation Methods I
6.	Shoulder and Upper Extremity Surgeries
7.	Physiotherapy and Rehabilitation Methods II
8.	**Mid-Term Examination**
9.	Arthroscopic Surgeries
10.	Physiotherapy and Rehabilitation Methods III
11.	Trauma and Fixation Surgeries
12.	Rehabilitation Methods IV
13.	Case Discussions
14.	Research Presentations and Evaluation
15.	**Final Exam**

ECTS / WORK LOAD TABLE

Activities	**Number**	**Duration**	**Total Work Load**
Course	14	3	42
Laboratory			
Practice			
Field Study			
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)	3	14	42
Seminars			
Project	1	10	10
Case study	5	10	50
Role playing, dramatization			
Preparing and criticizing article	2	16	32
Semester midterm exams	1	2	2
Semester final exams	1	2	2
Total Work Load (hour) / 25(s)	**250/25**		
ECTS	**10**		

EVALUATION SYSTEM

Midterm Studies	**Number**	**Contribution**
Midterm exam	1	%25
Quiz		
Laboratory		
Practice		
Field Study		
Specific practical training (If exists)		
Homework assignment		
Presentation and seminar	14	%25
Projects		
Other evaluation methods		
Total of Midterm Studies		
Final Studies	1	%50
Final		
Homework assignment		
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**	**LO4**	**LO5**	**LO6**	**LO7**
1.	Accesses, interprets, and applies advanced and original knowledge in the field of physiotherapy and rehabilitation.	5	4	4	4	3	1	1
2.	Conducts original research plans that contribute to the field using scientific methods.				2			5
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.			1	5			3
4.	Adopts and implements an evidence-based approach in clinical decision-making processes. Acts in accordance with ethical principles in research and practice.	1	1	1	4	1	1	1
5.	Establishes effective collaboration in interdisciplinary projects, plans, manages, and executes scientific projects. Effectively shares scientific knowledge on national and international platforms.				1	3	4	3
6.	Performs advanced clinical and laboratory practices in various specialties. Contributes to undergraduate and graduate educational activities and mentors students.			3	3	4	1	2
7.	Contributes to the development of health policies that improve rehabilitation services and public health.							
8.	Is knowledgeable about statistical methods frequently used in health studies. Selects, applies, and interprets appropriate statistical methods.				2			3
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.				2			4

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