Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Evidence-Based Practices in Orthopedic Rehabılıtatıon	**FTR614**		**3**	**0**	**0**	**10**
Prerequisites	-					
Course Language	Turkish					
Course Type	Compulsory					
Teaching Methods	Lecture, Question–Answer, Presentation, Research Planning					
Instructor(s)						
Course Objective	The aim of this course is to train students who can analyze current evidence in the field of orthopedic rehabilitation and develop effective treatment strategies by applying an evidence-based approach in clinical practice.					
Course Learning Outcomes	Upon successful completion of this course, students will be able to: 1. Analyze evidence-based literature related to orthopedic rehabilitation. 2. Utilize up-to-date evidence in clinical decision-making processes. 3. Evaluate levels of evidence and select appropriate treatment approaches. 4. Interpret systematic reviews and meta-analyses. 5. Critically develop their own clinical practices based on scientific foundations. 6. Formulate research questions and apply literature search strategies.					
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. Recent meta-analyses and systematic reviews 5. Articles published in SCI and Q1 journals					

WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Introduction to Evidence-Based Practice: Definition, history, and importance
2.	Literature Search: Databases, keywords, filters. Levels of Evidence and Clinical Decision-Making Processes
3.	Evidence-Based Methods in Orthopedic Assessment
4.	Evidence-Based Rehabilitation in Shoulder Pathologies
5.	Evidence-Based Approaches in Elbow, Hand, and Wrist Rehabilitation
6.	Current Evidence in Hip Rehabilitation
7.	**Mid-Term Examination**
8.	Current Evidence in Knee Rehabilitation
9.	Evidence-Based Approaches in Foot and Ankle Rehabilitation
10.	Current Rehabilitation Methods in Spinal Disorders
11.	Evaluation and Utilization of Clinical Guidelines
12.	Examples of Evidence-Based Practices
13.	Case Presentations
14.	Case Presentations
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)	1	%25
Homework assignment		
Presentation and seminar		
Projects		
Other evaluation methods		%50
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**
1.	Accesses, interprets, and applies advanced and original knowledge in the field of physiotherapy and rehabilitation.	**5**	**3**	**4**	**4**		
2.	Conducts original research plans that contribute to the field using scientific methods.	**2**	**2**	**3**	**3**	**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**		**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.	**3**	**5**	**5**	**3**	**5**	**3**
5.	Establishes effective collaboration in interdisciplinary projects, plans, manages, and executes scientific projects. Effectively shares scientific knowledge on national and international platforms.				**3**	**3**	
6.	Performs advanced clinical and laboratory practices in various specialties. Contributes to undergraduate and graduate educational activities and mentors students.		**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**		
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.	**1**					

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