Course Title	Code	Semester	Theoretical (hours/week)	Practice (hours/week)	Laboratory (hours/week)	ECTS
Physiotherapy Methods in Pain Management	**FTR603**		3	0	0	10

Prerequisites	
Course Language	Turkish
Course Type	Compulsory
Teaching Methods	Lecture, Presentation, Discussion, Research, Project preparation
Instructor(s)	
Course Objective	To examine basic information about the physiological mechanisms of pain, the role of acute and chronic pain in different diseases, pain assessment methods, and approaches used to manage pain
Course Learning Outcomes	1. Knows the structures, functions and classifications related to pain mechanisms; learns and performs assessments. 2. Learns about evidence-based rehabilitation approaches used in pain, discusses multidisciplinary and current approaches. 3. Becomes familiar with current literature on physiotherapy and rehabilitation in pain, learns research and publication processes, and discusses its contribution to public health..
References	1-Oxford Handbook of Pain Management (Oxford Medical Handbooks) 2-Travell and Simon's Myofascial Pain and Dysfunction: Upper Half of Body v. 3-The Trigger Point Manual by David G. Simons and Janet G. Travell

WEEKLY LECTURE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Neuroanatomical areas responsible for pain and physiological mechanisms
2.	Classification of pain
3.	The psychosocial aspect of pain and the role of pain in determining the need for physiotherapy

4.	Assessment of pain (subjective assessment methods)
5.	Assessment of pain (objective assessment methods)
6.	Neurophysiological mechanisms and theories of pain control.
7.	**Mid-Term Examination**
8.	Medical methods and mechanisms used for pain relief.
9.	Heat, light and water agents and mechanisms used in pain management.
10.	Electrophysical agents and mechanisms used in pain management.
11.	Manual therapy techniques, osteopathy and mechanisms used in pain management.
12.	Psychotherapeutic approaches and mechanisms used in pain management.
13.	Exercise and alternative methods used in pain management.
14.	Discussion of current literature and research planning.
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)	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 (Hours) / 25(S)	**250/25**		
Course ECTS	**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		
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

RELATIONSHIP BETWEEN COURSE LEARNING OUTCOMES AND PROGRAMME COMPETENCIES

Program Qualifications	**Learning Outcomes**		
	LO1	**LO2**	**LO3**

1.	Acquires, interprets, and applies advanced and original knowledge in the field of physiotherapy and rehabilitation.	**5**	**5**	**3**
2.	Plans and conducts original research that contributes to the field using scientific methods.	**2**	**3**	**5**
3	With a lifelong learning mindset, keeps abreast of current developments and technologies in the field, improves existing methods and techniques, and designs and implements new applications.	**3**	**4**	**5**
4.	Adopts and applies an evidence-based approach in clinical decision-making processes. Acts in accordance with ethical principles in research and practice.	**2**	**5**	
5.	Establishes effective collaboration in interdisciplinary projects, plans, manages, and executes scientific projects. Effectively shares scientific knowledge on national and international platforms.	**5**		**5**
6.	Performs advanced clinical and laboratory applications in different fields of expertise. Contributes to undergraduate and postgraduate education activities and mentors students.		**3**	
7.	Contributes to the development of rehabilitation services and health policies that promote public health.	**2**	**2**	**5**
8.	Has knowledge of statistical methods commonly used in health-related studies. Selects, applies, and interprets appropriate statistical methods			**5**
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.	**1**	**1**	**5**

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