

Course Title	Code	Semester	Theoretical (hours/week )	Practical (hours/week )	Laboratory (hours/week )	ECTS
<b>Research Project Development</b>	<b>FTR623</b>		<b>3</b>	<b>0</b>	<b>0</b>	<b>10</b>
Prerequisites						
Language of Instruction	Turkish					
Course Type	Compulsory					
Teaching and Learning Techniques	Lecture, Presentation, Discussion, Research, Project preparation					
Course Instructor(s)						
Course Objective	To develop the skills to create original and high-quality research projects by addressing the fundamental stages of the research process, and to encourage the design of research projects that are ethically sound, capable of making a scientific contribution, and eligible for funding.					
Course Learning Outcomes	<ol style="list-style-type: none"> <li>1. Learns the basic concepts related to research and acquires knowledge about project writing.</li> <li>2. Learns the steps for developing projects in the field of Physiotherapy and Rehabilitation. Writes and presents a project.</li> <li>3. Acquires knowledge about ethical rules and research-supporting institutions. Discusses the contribution of physical therapy and rehabilitation research projects to public health.</li> </ol>					
References	1-Carolyn MH. Practical Research Methods for Physiotherapists Churchill Livingstone, Singapore, 1988 2-Sümbüloğlu, K., Sümbüloğlu, V. Biostatistics V Hatiboğlu Publishing House, Ankara, 1990. 3- Naz Gürşan İ. Understanding Research in Physiotherapy, Hipokrat Publishing House, Ankara, 2022.					

#### WEEKLY COURSE TOPICS

Weeks	DISCUSSION TOPICS TO BE PROCESSED
1.	Types of research
2.	Research topic and methodology
3.	Defining the research problem and hypotheses
4.	Literature review
5.	Literature evaluation
6.	Sample selection
7.	<b>Mid-Term Examination</b>

<b>8.</b>	Preparation of data collection tools
<b>9.</b>	Planning of materials and services required for the research project
<b>10.</b>	Preparation of the work schedule
<b>11.</b>	Research ethics rules
<b>12.</b>	Institutional support for research projects
<b>13.</b>	Research project reporting
<b>14.</b>	Project presentation and article preparation
<b>15.</b>	<b>Final Exam</b>

#### **ECTS / WORK LOAD TABLE**

<b>Activities</b>	<b>Number</b>	<b>Duration</b>	<b>Total Work Load</b>
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			
<b>Total Work Load ( hour) / 25(s)</b>	<b>250/25</b>		
<b>ECTS</b>	<b>10</b>		

## 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		
<b>Total of Midterm Studies</b>		<b>%50</b>
<b>Final Studies</b>		
Final		
Homework assignment	1	%50
Practice		
Laboratory		
<b>Total of Final Studies</b>		<b>%50</b>
Contribution of midterm studies to course grade		%50
Contribution of final studies to course grade		%50
<b>Total Grade</b>		<b>100</b>

## 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 physiotherapy and rehabilitation.	5	5	3
2. Plans and conducts original research that contributes to the field using scientific methods.	2	5	2
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	
4. Adopts and applies an evidence-based approach in clinical decision-making processes. Acts in accordance with ethical principles in research and practice.		4	5

<b>5.</b>	Establishes effective collaboration in interdisciplinary projects, plans, manages, and executes scientific projects. Effectively shares scientific knowledge on national and international platforms.	<b>5</b>	<b>5</b>	<b>5</b>
<b>6.</b>	Performs advanced clinical and laboratory practices in different areas of expertise. Contributes to undergraduate and postgraduate education activities and mentors students.			
<b>7.</b>	Contributes to the development of rehabilitation services and health policies that promote public health.			<b>5</b>
<b>8.</b>	Possesses knowledge of statistical methods commonly used in health-related studies. Selects, applies, and interprets appropriate statistical methods.	<b>4</b>		<b>5</b>
<b>9.</b>	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.	<b>1</b>	<b>1</b>	<b>5</b>

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