COURSE INFORMATION FORM

	Course Information					
Year of Curriculum	**Course Title**	*Code*	*Semester*	*L+P Hour*	*Credits*	*ECTS*
	Scientific Research Methods and Techniques	5055203	II	4+2	5	8

Language of Instruction	Turkish
Course Level	Postgraduate
Department/Program	Department of Physiotherapy and Rehabilitation / Master's Degree with Thesis
Education Type	Formal
Course Type	Mandatory
Prerequisites	-
Department/Program Coordinator	Asst. Prof. Çağtay MADEN
Instructors	Asst. Prof. Çağtay MADEN
Assistants	-
Objectives of the Course	The aim of the course is to learn scientific research methods, to introduce research processes, to identify problems and to support the effort to solve them with scientific processes and to learn the process of scientific ethics.
Course Content	In the course content, topics such as scientific research basics and scientific approaches, research topic and problem selection, literature review, data types and data collection tools in scientific research, measurement and scales in research, sampling and sample types, quantitative and qualitative data analysis, scientific ethics process will be covered.
Teaching-Learning Methods and Techniques Used in the Course	Expression Discussion Question & Answer Preparing and / or Presenting a Report Drill & Practice Case Study Problem / Problem Solving Brainstorming
Internship of the Course (If there is)	-

Learning Outcomes
1. Defines the basic concepts of scientific research.
2. Learns data collection and analysis methods.
3. To be able to review the literature in the field and define problems.
4. Learns the process of scientific research.
5. Plans and completes scientific research.

COURSE CONTENT	
Week	**Topics**
1	Introduction to the course
2	Basic Concepts of Scientific Research
3	Research Topic Identification
4	Literature Review according to the problem
5	Data Collection and Analysis Methods
6	Data Collection and Analysis Methods
7	Determining the Research Design
8	Midterm Exam
9	Quantitative Research Process
10	Qualitative Research Process
11	Introduction to Scientific Ethics
12	Scientific Ethics and Rules
13	Research Report and Interpretation, Case Study
14	Research Report and Interpretation, Case Study
15	Final Exam

RECOMMENDED SOURCES
Lecture Notes

ASSESSMENT		
IN-TERM STUDIES	**QUANTITY**	**PERCENTAGE**
Mid-terms	1	40
Quizzes		
Homework		
Attendance		
Practice	1	20
Seminar		
Internship of the Course		
Project		
Field Survey		
Workshop		
Laboratory		
Presentation		
Final examination	1	40
Total	3	100
Contribution of Semester Studies to the Success Grade		
Contribution of the Final Exam to the Success Grade		
Total		

ECTS/WORKLOAD TABLE			
Activities	**Quantity**	**Duration (Hour)**	**Total Workload (Hour)**
Course Duration (Including the exam week: 15x Total course hours)	*15*	*3*	*45*

Hours for off-the-classroom study (Pre-study, practice)	*15*	*3*	*45*
Homework	*15*	*3*	*45*
Seminar			
Presentation	*14*	*3*	*42*
Practice	15	2	30
Laboratory			
Internship of the Course			
Project			
Field Survey			
Workshop			
Others (……)	*1*	*1*	*1*
Mid-terms	*1*	*1*	*1*
Quizzes	2	1	*2*
Homework(s)/Seminar(s)			
Final examination	*1*	*1*	*1*
Total Work Load			*240*
Total Work Load / 30 (h)			*240/30*
ECTS Credit of the Course			*8*

ASSOCIATING THE LEARNING OUTCOMES OF THE COURSE WITH THE PROGRAM OUTCOMES

Course Learning Outcomes	**PO1**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**
CLO1	3	5	1	5	1	4
CLO2	3	5	1	5	1	4
CLO3	3	5	1	5	1	4
CLO4	3	5	1	5	1	4
CLO5	3	5	1	5	1	4

CLO: Course Learning Outcomes PO: Programe Outcomes					
Contribution level	1. Very low	2. Low	3. Medium	4. High	5. Very High