



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods in Science							
Course Code		REKB321		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	72 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		Research activity is one of the indispensable pillars of human life and higher education, which is a systematic effort to recognize the living space and to find solutions to the problems it encounters. In this course, students will be informed about the techniques necessary for research and writing, starting with the question “how to choose a subject? İçin for the production of a scientific text after a theoretical introduction on sports science in general.							
Course Content		In this course, the specific structure of health sciences will be explained and the stages such as collecting and compiling the data necessary for a scientific study in this field, and finally the writing of the data will be explained and information will be given about the activities that constitute the infrastructure of scientific studies.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion					
Name of Lecturer(s)		Lec. Rukiye AYDOĞAN							

Prerequisites & Co-requisites

Equivalent Course	REKB353
ECTS Requisite	45

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Suat CEBECİ, Bilimsel Araştırma ve Yazma Teknikleri, İstanbul, 2002.
2	Niyazi KARASAR Bilimsel Araştırma Yöntemi, Ankara 1995
3	Ahmet Hamdi İSLAMOĞLU Bilimsel Araştırma Yöntemleri İstanbul 2003

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to the program and determination of rules related to the course
2	Theoretical	Science, Knowledge, Knowledge sources, Ways to reach information, The aims of science.
3	Theoretical	Scientific method, Scientific research, Types of scientific research
4	Theoretical	Scientific research process (Problem, Purpose, Importance, Assumptions, Limitations, Definitions)
5	Theoretical	Scientific research process (Pattern, universe and sample)
6	Theoretical	Scientific research process (Pattern, universe and sample)
7	Theoretical	Scientific research process (Data sources and Data collection ways)
8	Intermediate Exam	midterm
9	Theoretical	Scientific Research Process (Data Analysis and Interpretation)
10	Theoretical	Scientific Research Process (Findings and Interpretation)
11	Theoretical	Scientific Research Process (Conclusion, Discussion and Suggestions)
12	Theoretical	Reporting of scientific research process and ethics
13	Theoretical	Reporting of scientific researches / Ethics in scientific researches
14	Final Exam	final

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56



Assignment	8	1	1	16
Total Workload (Hours)				72
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Will be able to explain the basics of scientific research.
2	Explain the types of scientific research.
3	Will be able to explain the stages of scientific research process.
4	Will be able to explain ethical principles in scientific research.
5	Determine the ethical principles to be considered in the research process.

Programme Outcomes (Recreation)

1	Students have comprehensive and systematic information about concepts, principles, theories, facts in disciplines related to Recreation in Recreation field and use and interpret these information in workplace
2	By specialising in certain studies of profession related to Recreation, students carry out planning and control functions in the field.
3	By using the knowledge about Recreation, students fulfil responsibilities in league with other occupational groups
4	Students carry out the recommendation and coordination functions, and plan activities related to Recreation
5	Students behave in accordance with the codes of ethics and laws and regulations related to right and liability of Recreation field.
6	Students analyse by using the known techniques related to Recreation
7	Students fulfil scientific information responsibility related to Recreation and research
8	Students develop positive behaviour and attitude towards healthy life-long sport
9	Students set an example as a model to society and colleagues with their professional identity related to Recreation field
10	Students must communicate written or verbal in some foreign languages

