



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Research Methods							
Course Code		SYB315		Course Level		First Cycle (Bachelor's Degree)			
ECTS Credit	4	Workload	102 ( <i>Hours</i> )	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		The aim of the course is to analyze scientific research methods and to examine the rise of modern science and development in scientific research.							
Course Content		The aim and definition of science, properties of scientific knowledge, scientific knowledge and values system, the birth and development of Modern science, methods in Social Sciences, main research methods, data collection methods, measurement and testing techniques							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Project Based Study, Individual Study					
Name of Lecturer(s)		Assoc. Prof. Hasan ULUKAN							

### Prerequisites & Co-requisites

ECTS Requisite	60
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### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Büyüköztürk, Ş., Çakmak, E., K., Akgün, Ö., E., Karadeniz, Ş. and Demirel, F. (2008), Scientific Research Methods, Pegem, Ankara:
2	Yıldırım, C. (2007), Science Philosophy, Remzi Publishing, Istanbul
3	Balcı, A. (2010), Research in Social Sciences, Pegem Academy, Ankara:
4	Büyüköztürk, Ş. (2006), Data Analysis Handbook for Social Sciences, Pegem Akademi, Ankara

Week	Weekly Detailed Course Contents	
1	Theoretical	Course introduction, purpose, content and sources, definition, characteristics and nature of science.
2	Theoretical	Historical development of science, Scientific paradigms, Basic concepts in scientific research.
3	Theoretical	Scientific research process, problem selection in scientific research, purpose, importance limitations, limitations.
4	Theoretical	Method in scientific research: Scanning models, Trial models.
5	Theoretical	Universe and sample, validity and reliability, choice of research topic.
6	Theoretical	Establishment of research hypotheses, determination of research strategy, classification of research approaches.
7	Theoretical	Data collection tools, questionnaire, interview, observation.
8	Intermediate Exam	Midterm
9	Theoretical	Measurement and scale levels, scale types.
10	Theoretical	Sampling, probability based / non-based sampling.
11	Theoretical	Methods used in the analysis of data, quantitative and qualitative analysis methods.
12	Theoretical	Research report preparation / writing methods.
13	Theoretical	Ethics in scientific research.
14	Theoretical	General repetition and evaluation.
15	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Assignment	2	5	1	12



Individual Work	14	1	1	28
Midterm Examination	1	2	1	3
Final Examination	1	2	1	3
Total Workload (Hours)				102
[Total Workload (Hours) / 25*] = <b>ECTS</b>				4
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	They explain the purpose of science and ways of reasoning.
2	He can identify a problem he or she is observing as a research problem.
3	Select appropriate data collection methods for variables in the research question.
4	Explains sampling techniques and interprets the external validity of a study based on the sampling techniques used.
5	He professes research patterns and comments on the validity of a research based on the design.
6	Explain the structure of screening and relational research and conduct a research design and interpret its results.

### Programme Outcomes (Sports Management)

1	1. To be able to explain the elements of management and organization and to apply the functions of management in sports organizations
2	2. To be able to understand the interdisciplinary and the multidisciplinary nature of the field of sport management.
3	3. To be able to comprehend the knowledge, skills and values related to the management of the general business areas in addition to sports industry at the top-level.
4	4. To be able to define and explain internal and external factors that shape and influence the sports in our country and the World.
5	5. To be able to comprehend and interpret the technical strategies and the managerial skills of the branch of sports chosen.
6	The skill of creating, applying and interpreting the plans of project and program
7	7. To be able to develop strategies financially for the sports organizations, to evaluate the budgets, the sources of income and the expenses
8	8. To be able to comprehend and interpret how the ethical principles influence the process of financial, marketing and administrative decision-making at the sports organizations
9	9. To be able to know the basic principles and methods of the sports marketing at the national and international level
10	10. To be able to understand the qualitative and quantitative analysis and be able to use them effectively

