



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Scientific Research Methods							
Course Code		MIS502		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	7	Workload	175 ( <i>Hours</i> )	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		The aim of the course is to introduce with main scientific research methods for graduate students, to provide, to experience preparing scientific research proposal, to implement appropriate research methods and to present statistical findings and conclusions in written format according to common scientific writing rules and publication ethics.							
Course Content		Scientific research methods, process of scientific research, research questions and hypotheses, searching of literature, making a citation, publication ethics, ethical standards and legal limitations, data collection and analysis techniques, observation, interviewing, questionnaire, experimentation, referencing, findings and conclusion, scientific spelling rules.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Arıkan, R.2000. Araştırma Teknikleri ve Rapor Yazma, Gazi Kitabevi
2	Cebeci, S.2015. Bilimsel Araştırma ve Yazma Teknikleri, Alfa Yayınları, İstanbul.
3	Day, R.A. 1996. Bilimsel Makale Nasıl Yazılır, Nasıl Yayınlanır. Tübitak Yayınları.

Week	Weekly Detailed Course Contents	
1	Theoretical	Research Methodology
2	Theoretical	Determining the research topic
3	Theoretical	Defining the research problem
4	Theoretical	Searching of literature
5	Theoretical	Writing of hypotheses
6	Theoretical	Determining research methods and models
7	Theoretical	Collection and analysis of data
8	Theoretical	Citation rules and techniques of scientific research
9	Intermediate Exam	Midterm Exam
10	Intermediate Exam	Midterm Exam
11	Theoretical	Interpretation and writing of the report
12	Theoretical	The ethical principles of scientific publication
13	Theoretical	Ethical standards, legal limitations and software
14	Theoretical	Responsible research publication: international standards for authors
15	Final Exam	Final Exam
16	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	16	0	3	48
Assignment	1	0	20	20
Term Project	1	0	15	15
Individual Work	1	0	46	46
Quiz	2	0	5	10



Midterm Examination	1	0	36	36
Total Workload (Hours)				175
[Total Workload (Hours) / 25*] = ECTS				7
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Explain scientific research and its characteristics
2	Experience the process of preparing scientific research proposal
3	Implement the suitable research methods and techniques for studies
4	Searching and citing of literatures
5	Learn data gathering and analysis techniques
6	Apply the information and software about the ethical standards and legal limitations
7	Writing an appropriate report based on common scientific writing rules

### Programme Outcomes (Management Information Systems Master)

1	Be aware of the different types of information technologies and systems using in business, have enough knowledge to design a suitable system
2	Analyse the needs for an information systems and have control over the processes at the analysis, design and implementation stages of the database that belongs to the system
3	Convey information about current trends and their own studies both verbally and visually ways.
4	Be able to follow current developments in modern business techniques and technologies, especially information technologies
5	Understand the interaction between his department and other relational departments, if necessary make a team, take responsibility and do the works with team.
6	Know the information technologies and systems using in different types of business, if necessary take the system responsibility.
7	Be aware of the social transformation especially in their own field and social, legal and moral responsibilities belongs to other work field.
8	Develop their knowledge to the level of expertise which they learn them in license level.
9	Carry out a work which requires an expertness in their field.
10	Construct and perform an academic work.

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6	L7
P1	4	3	5	4	4	4	4
P2	4	4	3	4	4	4	4
P3	4	4	3	4	4	4	4
P4	4	4	3	4	4	4	5
P5	4	5	5	3	3	3	3
P6	4	4	2	3	4	3	3
P7	4	4	4	4	4	4	3
P8	5	3	5	4	5	4	3
P9	5	4	4	4	5	4	4
P10	4	4	4	5	4	5	4

