



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
BIostatISTICS
BIostatISTICS (MEDICAL)
BIostatISTICS (MEDICAL) MASTER
COURSE INFORMATION FORM

Course Title	Scientific Research and Publication Ethics								
Course Code	BİS550	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	2	Workload	52 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	To introduce graduate students to the basic concepts related to scientific research methods and to provide them with scientific research proposal preparation process. aims to present.								
Course Content	To introduce graduate students to the basic concepts related to scientific research methods, to enable them to experience the process of preparing a scientific research proposal, to apply their studies with appropriate research methods and techniques, to find out the findings and results obtained by statistical data, in accordance with scientific writing rules and ethical rules aims to present.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation)								
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	Özdamar, K. (2003). Modern Bilimsel Araştırma Yöntemleri, Kaan Kitabevi, Eskişehir.
3	Kaya, Z., Şahin, M., Akbaşlı, S., Taşdemir, Ş., Altın, M., Yağcı, M., ... & Sayın, N. (2013). Araştırma yöntemleri ve teknikleri. Eğitim Kitabevi.
4	Şimşek, Ü. (2003). Araştırma teknikleri. Morötesi Yayınları.

Week	Weekly Detailed Course Contents	
1	Theoretical	Research methodology
2	Theoretical	Determining the research topic
3	Theoretical	Define the research problem
4	Theoretical	Scanning resources
5	Theoretical	Writing the hypothesis
6	Theoretical	Determining research method
7	Theoretical	Determining research method
8	Intermediate Exam	Midterm examination
9	Theoretical	Data collection and analysis
10	Theoretical	Data analysis
11	Theoretical	Source of scientific research writing rules and techniques
12	Theoretical	Interpretation and report writing
13	Theoretical	Principles of scientific publication ethics
14	Theoretical	Ethical standards, legal restrictions and software
15	Theoretical	Literature review and discussion
16	Final Exam	Final examination

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	2	12



Final Examination	1	10	2	12
	Total Workload (Hours)			52
	[Total Workload (Hours) / 25*] = ECTS			2
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to explain scientific research and its properties
2	To prepare a scientific research proposal
3	To be able to apply appropriate research methods and techniques
4	Literature search and citation
5	To be able to learn data collection and analysis techniques

Programme Outcomes (*Biostatistics (Medical) Master*)

1	To be able to understand the interdisciplinary interaction related with biostatistics.
2	to be able to use Theoretical and practical knowledge at the level of expertise.
3	To be able to interpret the information by integrating information from different disciplines and create new information
4	To be able to analyze the problems encountered by using research methods
5	to be able to conduct a study as an independent specialist
6	To be able to formulate solutions for complex unpredictable problems encountered by developing new approaches and taking responsibility.
7	To be able to resolve problems in environments that require leadership.
8	To be able to evaluate and direct knowledge and skills with a critical approach at the level of expertise.
9	To be able to give statistical advise at the beginning stages of preparing health related projects
10	To be able to get the knowledge and the ability of using statistical packages

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

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

