



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Biostatistics							
Course Code		LVS151		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	3	Workload	74 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The above-mentioned issues, especially learning about biostatistics, proper use and develop an understanding of the correct interpretation.							
Course Content		Descriptive dimensions. frequency distributions. sampling and sampling methods. tables and graphs. theoretical distributions. significance tests (significance test of difference between two means, analysis of variance, chi-square test, etc.). correlation and regression analysis.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Biostatistics, Nazlıgül A., Bardakçioğlu E.H., Türkyılmaz M.K.
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Week	Weekly Detailed Course Contents	
1	Theoretical	Biostatistics course to meet and share with students the definition of the goals and objectives, importance, objectives and the use of statistical concepts in health
2	Theoretical	Frequency distributions
3	Theoretical	Location showing the dimensions (arithmetic mean, peak value, median value)
4	Theoretical	Location showing the dimensions (arithmetic mean, peak value, median value)
5	Theoretical	Prevalence measures (variance, standard deviation, standard error, coefficient of variation)
6	Theoretical	Prevalence measures (variance, standard deviation, standard error, coefficient of variation)
7	Theoretical	Prevalence measures (variance, standard deviation, standard error, coefficient of variation)
8	Intermediate Exam	Midterm exam
9	Theoretical	Sample and sampling, sampling methods
10	Theoretical	Tables and graphs
11	Theoretical	Theoretical distributions
12	Theoretical	Parametric significance tests
13	Theoretical	Nonparametric significance tests
14	Theoretical	Correlation and regression analysis
15	Theoretical	Time series analysis
16	Final Exam	Final Exam
17	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Assignment	3	1	3	12
Midterm Examination	1	8	1	9
Final Examination	1	10	1	11
Total Workload (Hours)				74
[Total Workload (Hours) / 25*] = ECTS				3

\*25 hour workload is accepted as 1 ECTS



**Learning Outcomes**

1	To be able to learn The relationship between science and statistical methods, and thus learns to create scientific knowledge.
2	To be able to learn The concept of probability, account, and learns the rules. Learns and uses in the functions with probability distributions in hypothesis testing.
3	To be able to solve Basic statistical problems to solve on its own, to interpret and understand their own field of statistical analysis in the literature attempt to give the ability to interpret critically.
4	To be able to let the students Taking this course, students will take advanced level courses other than statistics and other statistical courses to succeed more easily be able to develop themselves
5	To have information about correlation analysis

**Programme Outcomes (Laboratory and Veterinary Sciences)**

1	To be able to understand and use , where information about Veterinary Technician
2	To be able to analyze and synthesize
3	To be able to have awareness of ethical and professional responsibility
4	To be able to recognise the basic features of animal species and breeds
5	To be able to make and test preparation In the laboratory, under the supervision of the veterinarian in charge of registration,
6	To be able to care of animals Asepsis and antisepsis to do with the preoperative and postoperative
7	To be able to control of parasitic infestations and infectious disease prevention and veterinary advice can be helpful when working on
8	To be able to prepare and use of animal feeding protocols In theory
9	To be able to Veterinarian examination, imaging, and surgical applications of finding assistance during the application and conduct any kind planned by Veterinarian
10	To be able to Make efforts to enhance productivity in animal husbandry

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

	L1	L2	L3	L4
P1	3	4	4	3
P2	4	4	4	5
P3	3	3	3	3
P4	3	2	2	2
P5	3	2	2	2
P6	2	2	2	2
P7	2	2	2	2
P8	2	1	2	1
P9	2	1	1	1
P10	3	2	3	4

