



**AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF HEALTH SCIENCES
VETERINARY MICROBIOLOGY
MICROBIOLOGY
MICROBIOLOGY (VETERINARY) MASTER'S WITHOUT THESIS
COURSE INFORMATION FORM**

Course Title	Epidemiology								
Course Code	MİK506	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	4	Workload	99 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about epidemiology.								
Course Content	The meanings of epidemiology and epizootiology. The control and detection of known and unknown diseases. The journey of infection in nature, the incidence of infections in population. Types of infections, factors that affect the start and spread of infections (factors related to microorganisms and the host, environmental factors), control of infectious diseases and precautions to be taken. Economic effects of infections.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study								
Name of Lecturer(s)	Prof. Serap SAVAŞAN								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Quiz	2	10
Assignment	4	10

Recommended or Required Reading	
1	Veterinary Clinical Epidemiology
2	Veterinary Epidemiology

Week	Weekly Detailed Course Contents	
1	Theoretical	Identification of epidemiology
2	Theoretical	Identification of epizootiology
3	Theoretical	Detection and control of unknown/known diseases
4	Theoretical	Detection and control of unknown/known diseases
5	Theoretical	Journey of infections in nature
6	Theoretical	Journey of infections in nature
7	Theoretical	Distribution rates of infections in populations
8	Intermediate Exam	Midterm Examination
9	Theoretical	Infection types
10	Theoretical	Factors that affect start and spread of infections
11	Theoretical	Control of infectious diseases and prophylactic methods
12	Theoretical	Control of infectious diseases and prophylactic methods
13	Theoretical	Economic effects of diseases
14	Theoretical	Economic effects of diseases
15	Theoretical	Discussion

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	4	6	1	28
Laboratory	14	0	2	28
Quiz	1	10	1	11
Midterm Examination	1	1	1	2



Final Examination	1	1	1	2
Total Workload (Hours)				99
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	1. To be able to define epidemiology
2	2. To be able to control and detect known and unknown diseases
3	3. To be able to describe the journey of infections in nature
4	4. To be able to define control of infectious diseases and prophylactic methods
5	5. To be able to use the necessary information

Programme Outcomes (*Microbiology (Veterinary) Master's Without Thesis*)

1	Department has the ability to identify and apply information about bacteriology, virology, mycology and has the ability to recognize diseases about veterinary medicine
2	Department has the ability to take the advantage of technology and has the ability to diagnose, treat and prevent the diseases by using appropriate equipments
3	Department has the ability to analyze the epidemiological compounds of an animal population and has the ability to get precautions.
4	Department has the ability to test or analyze the diseases and has the ability to evaluate the results.
5	Department has the ability to perform, produce and conclude projects for scientific researches.

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	4	4	5	4	4
P2	4	4	5	4	4
P3	5	4	4	5	5
P4	5	4	5	5	5
P5	5	5	4	4	5

