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

Course Title	Microaerofilic Bacteria And Infections								
Course Code	MİK533		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	3	Workload	81 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about microaerofilic bacteria and infections.								
Course Content	Classification of microaerofilic motile bacteria. Infections of Campylobacter, Arcobacter, Helicobacter, Acinotobacter, Brucella, and others.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Demonstration, Discussion, Case Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	40
Quiz	1	20
Assignment	2	20

Recommended or Required Reading	
1	Koneman's Color Atlas and Textbook of Diagnostic Microbiology
2	Bergey's manual of systematic bacteriology
3	Concise Review of Veterinary Microbiology
4	Brucellosis in humans and animals
5	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Classification of microaerofilic motile bacteria
2	Theoretical	Classification of microaerofilic motile bacteria
3	Theoretical	Campylobacter infections
4	Theoretical	Campylobacter infections
5	Theoretical	Campylobacter infections
6	Theoretical	Arcobacter infections
7	Theoretical	Arcobacter infections
8	Intermediate Exam	Midterm Examination
9	Theoretical	Helicobacter infections
10	Theoretical	Helicobacter infections
11	Theoretical	Acinetobacter infections
12	Theoretical	Brucella infections
13	Theoretical	Brucella infections
14	Theoretical	Other microaerofilic bacteria and infections
15	Theoretical	Discussion

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	2	1	2	6
Laboratory	14	0	2	28
Quiz	1	4	1	5
Midterm Examination	1	6	1	7

Final Examination	1	6	1	7
			Total Workload (Hours)	81
			[Total Workload (Hours) / 25*] = **ECTS**	3
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	1. To be able to list microaerofilic bacteria and infections
2	2. To be able to define Campylobacter, Arcobacter, Helicobacter, Acinotobacter, Brucella, and others
3	3. To be able to use the necessary information
4	To know the reproductive characteristics of microaerophilic bacteria.
5	To know the diagnosis of infections caused by microaerophilic bacteria.

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	5	5	5	4	4
P2	5	4	5	5	4
P3	5	4	4	4	4
P4	4	5	3	5	5
P5	5	4	4	4	4