



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

Course Title	Campylobacter Infections and Molecular Diagnostic Methods								
Course Code	MİK554			Course Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	80 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about Campylobacter infections and molecular diagnostic methods.								
Course Content	The infections caused by Campylobacter species in domestic animals, etiological properties, epidemiology, pathogenesis, clinical symptoms, necropsy findings, bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy.								
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	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	The infections caused by Campylobacter species in companion animals
2	Theoretical	The infections caused by Campylobacter species in companion animals
3	Theoretical	The infections caused by Campylobacter species in companion animals
4	Theoretical	The infections caused by Campylobacter species in companion animals
5	Theoretical	Etiological characteristics
6	Theoretical	Epidemiology, pathogenesis, clinical symptoms, necropsy findings
7	Theoretical	Epidemiology, pathogenesis, clinical symptoms, necropsy findings
8	Intermediate Exam	Midterm Examination
9	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy
10	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy
11	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy
12	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy
13	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy
14	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, therapy and prophylaxy
15	Theoretical	Discussion

#### Workload Calculation

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



Final Examination	1	8	2	10
Total Workload (Hours)				80
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	1. To be able to describe Campylobacter infections and molecular diagnostic methods
2	2. Having information about prevention and therapy of Campylobacter infections
3	3. To be able to use the necessary information
4	To be able to make molecular diagnosis of Campylobacter fetus infection.
5	To be able to use molecular methods in the diagnosis of Campylobacter.

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

