AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Campylobacter Infections and Molecular Diagnostic Methods						
Course Code	MİK554		Couse 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, theraphy and prophylaxy.						
Work Placement	N/A						
Planned Learning Activities and Teaching Methods			Explanation (Presentation), Demonstration, Discussion, Case Study				
Name of Lecturer(s)	Prof. Kadir Serdar DİKER						

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, theraphy and prophylaxy
10	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, theraphy and prophylaxy
11	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, theraphy and prophylaxy
12	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, theraphy and prophylaxy
13	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, theraphy and prophylaxy
14	Theoretical	Bacteriological, serological, allergical and molecular diagnosis, theraphy 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 decribe 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 Medicine) Master)*

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
6	Department has the ability to donate theoretical and practical knowledge about postgraduate students in the are of microbiology.
7	Graduate students has the ability to perform 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	5	5	4	5
P3	4	5	5	4	5
P4	5	4	4	4	4
P5	4	5	5	5	3
P6	5	4	5	4	5
P7	3	3	4	5	4