AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Molecular Diagnosis of Coxiella Infections								
Course Code	MİK550		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	4	Workload	102 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The objective of this course is to give information about molecular diagnosis of Coxiella infections.								
Course Content	Etiology, epidemiology, pathogenesis, symptoms, clinical diagnosis, laboratory diagnosis in the coxiella infections. Development of molecular methods in the laboratory diagnosis.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	40
Quiz	2	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	Clinical Veterinary Microbiology
4	Early, rapid and sensitive veterinary molecular diagnostics
5	Real time PCR applications
6	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Etiology in Coxiella infections
2	Theoretical	Etiology in Coxiella infections
3	Theoretical	Epidemiology in Coxiella infections
4	Theoretical	Epidemiology in Coxiella infections
5	Theoretical	Pathogenesis in Coxiella infections
6	Theoretical	Pathogenesis in Coxiella infections
7	Theoretical	Symptoms in Coxiella infections
8	Intermediate Exam	Midterm Examination
9	Theoretical	Symptoms in Coxiella infections
10	Theoretical	Clinical diagnosis in Coxiella infections
11	Theoretical	Laboratory diagnosis in Coxiella infections
12	Theoretical	Laboratory diagnosis in Coxiella infections
13	Theoretical	Development of molecular methods in the laboratory diagnosis
14	Theoretical	Development of molecular methods in the laboratory diagnosis
15	Theoretical	Discussion

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	1	1	1	2
Quiz	2	8	1	18
Midterm Examination	1	10	2	12

Final Examination	1	12	2	14
			Total Workload (Hours)	102
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	1. To be able to describe molecular diagnosis of Coxiella infections
2	2. To be able to describe the development of molecular methods in the laboratory diagnosis
3	3. To be able to use the necessary information
4	Molecular identification of Coxiella burnetii infection.
5	To compare the molecular and conventional diagnosis of Coxiella burnetii infection.

Programme Outcomes *(Microbiology (Veterinary Medicine) 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	5
P2	5	5	5	5	5
P3	4	4	4	4	4
P4	5	5	5	3	5
P5	3	5	3	5	4