AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Bacterial Infections of Dairy Cattle								
Course Code	MİK552		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	53 *(Hours)*	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about bacterial infections of dairy cattle.								
Course Content	The diagnosis and prophylaxis of disesases which cause loss of production in dairy cattle managements like Tuberculosis, Brucellozis, Athrax, Listeriosis, Coxiellosis, Streptococcosis, Staphylococcosis, Mannheimiosis and Pasteurellosis, diagnosis and prevention of these diseases, developing new strategies for prophylaxis.								
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	60
Assignment	1	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	Veterinary Microbiology
5	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Diagnosis of Tuberculosis
2	Theoretical	Prophylaxy of Tuberculosis disease
3	Theoretical	Diagnosis of Brucellosis
4	Theoretical	Prophylaxy of Brucellosis disease
5	Theoretical	Diagnosis of Anthrax
6	Theoretical	Prophylaxy of Anthrax
7	Theoretical	Diagnosis of Listeriosis
8	Intermediate Exam	Midterm Examination
9	Theoretical	Prophylaxy of Listeriosis
10	Theoretical	Diagnosis and prophylaxy of Coxiellosis
11	Theoretical	Diagnosis and prophylaxy of Streptococcosis and Staphylococcosis
12	Theoretical	Diagnosis and prophylaxy of Mannheimiosis
13	Theoretical	Diagnosis and prophylaxy Pasteurellosis
14	Theoretical	Developing new strategies for prophylaxis to prevent diseases of dairy cattle
15	Theoretical	Discussion

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	2	2
Laboratory	14	0	0.5	7
Midterm Examination	1	5	1	6

Final Examination	1	8	2	10
			Total Workload (Hours)	53
			[Total Workload (Hours) / 25*] = **ECTS**	2
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	1. To be able to define bacterial infections of dairy cattle
2	2. To be able to use diagnosis methods of Tuberculosis, Brucellozis, Athrax, Listeriosis, Coxiellosis, Streptococcosis, Staphylococcosis, Mannheimiosis and Pasteurellosis
3	3. To be able to contribute to prevention of these diseases, and to develop new strategies for prophylaxis
4	4. To be able to use the necessary information
5	To know the diagnostic methods used in bacterial infections of dairy cattle.

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	5
P2	5	4	5	4	5
P3	5	4	4	4	5
P4	4	5	5	5	4
P5	5	4	3	4	5
P6	4	5	5	5	3
P7	4	4	4	3	5