



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

Course Title	Aerobic Gram Positive Rods and Infections								
Course Code	MİK535	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	2	Workload	51 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about aerobic gram positive rods and infections.								
Course Content	The classification of aerobic gram positive bacterias. Bacillus sp. and infections. Listeria, Corynebacters, Nocardioform and other gram positive rods and their infections.								
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	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Classification of aerobic gram positive bacteria
2	Theoretical	Classification of aerobic gram positive bacteria
3	Theoretical	Bacillus species and infections
4	Theoretical	Bacillus species and infections
5	Theoretical	Bacillus species and infections
6	Theoretical	Listeria infections
7	Theoretical	Listeria infections
8	Intermediate Exam	Midterm Examination
9	Theoretical	Corynebacterium sp. infections
10	Theoretical	Corynebacterium sp. infections
11	Theoretical	Other aerobic gram positive bacilli and infections
12	Theoretical	Other aerobic gram positive bacilli and infections
13	Theoretical	Nocardioforms and infections
14	Theoretical	Nocardioforms and infections
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	7	1	8
Total Workload (Hours)				51
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	1. To be able to define Bacillus sp.
2	2. To be able to define Listeria infections
3	3. To be able to list Corynebacterium sp. and other gram positive bacilli and infections
4	4. To be able to use the necessary information
5	To know the reproductive characteristics of aerobic gram positive bacilli.

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

