



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Pathogenesis of Bacterial Infections							
Course Code		MİK541		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	3	Workload	72 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The objective of this course is to give information about pathogenesis of bacterial infections.							
Course Content		Pathogenesis of Staphylococcus, Streptococcus, Bacillus anthracis, Mycobacterium, Corynebacterium, Listeria, Clostridium, Nocardia, Dermatophilus, Salmonella, Escherichia coli, Brucella, Pseudomonas, Campylobacter.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study					
Name of Lecturer(s)		Lec. Hafize Tuğba YÜKSEL DOLGUN							

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	Microbial Zoonoses and Sapronoses
4	Veterinary Microbiology and Microbial Disease
5	Clinical Veterinary Microbiology
6	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Pathogenesis of Staphylococci sp.
2	Theoretical	Pathogenesis of Streptococcus sp.
3	Theoretical	Pathogenesis of Bacillus anthracis
4	Theoretical	Pathogenesis of Bacillus anthracis
5	Theoretical	Pathogenesis of Mycobacterium sp
6	Theoretical	Pathogenesis of Corynebacterium sp.
7	Theoretical	Pathogenesis of Listeria sp.
8	Intermediate Exam	Midterm Examination
9	Theoretical	Pathogenesis of Clostridium sp.
10	Theoretical	Pathogenesis of Nocardia sp.
11	Theoretical	Pathogenesis of Dermatophilus sp.
12	Theoretical	Pathogenesis of Salmonella sp.
13	Theoretical	Pathogenesis of Escherichia coli, Brucella sp.
14	Theoretical	Pathogenesis of Pseudomonas, Campylobacter sp.
15	Theoretical	Discussion

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	8	2	10
Quiz	1	9	1	10
Midterm Examination	1	10	2	12



Final Examination	1	10	2	12
Total Workload (Hours)				72
[Total Workload (Hours) / 25*] = ECTS				3
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	1. To be able to define pathogenesis of bacterial infections
2	2. To be able to define pathogenesis of Staphylococcus, Streptococcus, Bacillus anthracis, Mycobacterium sp.
3	3. To be able to define pathogenesis of Corynebacterium, Listeria, Clostridium, Nocardia, Dermatophilus, Salmonella sp
4	4. To be able to define pathogenesis of Escherichia coli, Brucella sp.
5	5. To be able to define pathogenesis of Pseudomonas, Campylobacter sp.
6	6. To be able to use the necessary information

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	L6
P1	5	5	5	5	5	4
P2	5	5	5	5	5	4
P3	4	4	5	4	4	4
P4	5	4	4	5	4	5
P5	4	4	4	4	5	4
P6	5	5	4	4	5	5
P7	5	3	3	3	5	5

