



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Enterobacteriaceae Family and Infections							
Course Code		MİK504		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	4	Workload	99 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The objective of this course is to give information about Enterobacteriaceae family.							
Course Content		The classification of Enterobacteriae. The infections of E. coli. Salmonella, Yersinia, Shigella, Klebsiella and Enterobacter infections. The genus of other Enterobacteriae species and their infections.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study					
Name of Lecturer(s)		Prof. Süheyla TÜRKYILMAZ, Prof. Şükrü KIRKAN							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	60
Quiz	2	10
Assignment	4	10

Recommended or Required Reading

1	Koneman's Color Atlas and Textbook of Diagnostic Microbiology
2	Bergey's manual of systematic bacteriology
3	Desk Encyclopedia of Microbiology By Medikando
4	Salmonella in Domestic Animals
5	Veterinary Microbiology
6	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Classification of Enterobacteriaceae family
2	Theoretical	Classification of Enterobacteriaceae family
3	Theoretical	E. coli infections
4	Theoretical	E. coli infections
5	Theoretical	Salmonella infections
6	Theoretical	Salmonella infections
7	Theoretical	Yersinia infections
8	Intermediate Exam	Midterm Examination
9	Theoretical	Shigella infections
10	Theoretical	Klebsiella infections
11	Theoretical	Enterobacter infections
12	Theoretical	Other Enterobacteriaceae family genus infections
13	Theoretical	Other Enterobacteriaceae family genus infections
14	Theoretical	Other Enterobacteriaceae family genus infections
15	Theoretical	Discussion

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	4	5	2	28
Laboratory	14	0	2	28
Quiz	2	1	1	4
Midterm Examination	1	1	1	2



Final Examination	1	8	1	9
Total Workload (Hours)				99
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	1. To be able to name Enterobacteriaceae family
2	2. To be able to classify Enterobacteriaceae family
3	3. To be able to name other Enterobacteriaceae family genus and infections
4	4. To be able to use the necessary information.
5	To be able to use the necessary information.

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	4	4	4
P2	5	4	4	4	4
P3	4	4	4	4	5
P4	5	4	5	5	5
P5	5	5	5	5	5

