AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Helicobacter Infections						
Course Code	MİK543		Couse Level	Second Cycle (Master's Degree)			
ECTS Credit	1	Workload	25 *(Hours)*	Theory	1	Practice	0	Laboratory	0
Objectives of the Course	The objective of this course is to give information about Helicobacter infections.						
Course Content	Helicobacter species in animals and their infections; etiologic characteristics of infections; epizootiology; pathogenesis; clinical symptoms; autopsy findings; bacteriological, serologic and molecular diagnosis; treatment and 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	Veteriner Bakteriyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Helicobacter species that cause infections in animals
2	Theoretical	Helicobacter species that cause infections in animals
3	Theoretical	Etiology of Helicobacter infections
4	Theoretical	Etiology of Helicobacter infections
5	Theoretical	Epizootiology of Helicobacter infections
6	Theoretical	Epizootiology of Helicobacter infections
7	Theoretical	Pathogenesis of Helicobacter infections
8	Intermediate Exam	Midterm Examination
9	Theoretical	Clinical symptoms of Helicobacter infections
10	Theoretical	Clinical symptoms of Helicobacter infections
11	Theoretical	Autopsy findings of Helicobacter infections
12	Theoretical	Bacteriological, serological and molecular diagnosis in Helicobacter infections
13	Theoretical	Bacteriological, serological and molecular diagnosis in Helicobacter infections
14	Theoretical	Therapy and prophylaxy of Helicobacter infections
15	Theoretical	Discussion

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	1	14
Midterm Examination	1	1	1	2
Final Examination	1	8	1	9
			Total Workload (Hours)	25
			[Total Workload (Hours) / 25*] = **ECTS**	1

25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. To be able to define Helicobacter infections
2	2. To be able to name Helicobacter species that cause diseases in animals
3	3. To be able to apply therapy and prophylaxy of Helicobacter infections
4	4. To be able to use the necessary information
5	To have information about the diagnosis of Helicobacter infections.

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