



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

Course Title	Medically Important Fungi								
Course Code	MİK539	Course Level			Second Cycle (Master's Degree)				
ECTS Credit	4	Workload	100 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The objective of this course is to give information about medically important fungi.								
Course Content	Interpretation of Direct microscopic examination of clinical specimens, Identification of cultured fungi, Funguslike Bacteria, Yeasts and Yeastlike organisms, Thermally Dimorphic Fungi, Thermally Monomorphic molds, Laboratory Techniques for fungi.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study								
Name of Lecturer(s)	Prof. Serap SAVAŞAN								

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	20
Final Examination	1	40
Quiz	1	20
Assignment	2	20

Recommended or Required Reading

1	Koneman's Color Atlas and Textbook of Diagnostic Microbiology
2	Veterinary Mycology Laboratory Manual
3	Temel Mikrobiyoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Interpretation of Direct microscopic examination of clinical specimens
2	Theoretical	Interpretation of Direct microscopic examination of clinical specimens
3	Theoretical	Interpretation of Direct microscopic examination of clinical specimens
4	Theoretical	Identification of cultured fungi
5	Theoretical	Identification of cultured fungi
6	Theoretical	Fungus-like bacteria
7	Theoretical	Fungus-like bacteria
8	Intermediate Exam	Midterm Examination
9	Theoretical	Direct and indirect immunofluorescence tests
10	Theoretical	Yeasts and yeast-like bacteria
11	Theoretical	Yeasts and yeast-like bacteria
12	Theoretical	Thermal dimorphic fungi
13	Theoretical	Thermal dimorphic fungi
14	Theoretical	Laboratory techniques for fungi
15	Theoretical	Discussion

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	2	5	1	12
Laboratory	14	0	1	14
Quiz	1	2	1	3
Midterm Examination	1	6	1	7



Final Examination	1	7	1	8
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	1. To be able to define medically important fungi
2	2. To be able to interpret direct microscopic examination of clinical specimens
3	3. To be able to define cultured fungi
4	4. To be able to use the necessary information.
5	To have information about Candidiasis.

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

