AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Cellular Immunity Measuring Techniques								
Course Code	MİK536		Couse Level	Second Cycle (Master's Degree)					
ECTS Credit	5	Workload	122 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The objective of this course is to give information about cellular immunity measuring techniques.								
Course Content	The classification of tests used in measurement of cellular immunity. Koch phenomenon. Allergen tests (Tuberculin, Johnin Tuberculin, Mallein, Brucellin, Histoplasmin and Coccidioidin tests).								
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	40
Quiz	2	20
Assignment	4	20

Recommended or Required Reading	
1	Handbook of Vertebrate Immunology
2	Veterinary Immunology
3	İmmunoloji

Week	Weekly Detailed Course Contents	
1	Theoretical	Classification of tests used for cellular immunity measuring techniques
2	Theoretical	Classification of tests used for cellular immunity measuring techniques
3	Theoretical	Koch phenomenon
4	Theoretical	Koch phenomenon
5	Theoretical	Tuberculin test
6	Theoretical	Tuberculin test
7	Theoretical	Johnin Tuberculin test
8	Intermediate Exam	Midterm Examination
9	Theoretical	Mallein test
10	Theoretical	Mallein test
11	Theoretical	Brucellin test
12	Theoretical	Brucellin test
13	Theoretical	Histoplasmin and coccidiodin tests
14	Theoretical	Histoplasmin and coccidiodin tests
15	Theoretical	Discussion

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Assignment	1	10	2	12
Reading	1	0	25	25
Quiz	2	8	2	20
Midterm Examination	1	10	1	11

Final Examination	1	10	2	12
			Total Workload (Hours)	122
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	1. To be able to use cellular immunity measuring techniques
2	2. To be able to classify tests used for cellular immunity measuring techniques
3	3. To be able to use allergen tests
4	4. To be able to use the necessary information
5	To interpret the measurement of cellular immunity.

Programme Outcomes *(Microbiology 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	5	5	4	4	5
P2	5	5	4	4	5
P3	4	4	5	5	5
P4	5	4	3	4	4
P5	4	5	5	5	4
P6	5	4	5	4	5
P7	4	5	4	5	5