AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title		Cells Take a Role in Immun Reactions and Their Functions					
Course Code		MİK537		Couse Level	Second Cycle (Master's Degree)		
ECTS Credit	5	Workload	130 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The objective of this course is to give information about cells that take a role in immune reactions and their functions.					
Course Content		The organs that take role in immune reaction and their functions (bone marrow, thymus, bursa fabrisius, lymph nodes, spleen and others). The classification of cells that take a role in immune reactions and their functions.					
Work Placement		N/A					
Planned Learning Activities and Teaching Methods		Explanation (Presentation), Experiment, Demonstration, Discussion, Case Study					
Name of Lecturer(s)							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	İmmunoloji
2	Veterinary Immunology

Weekly Detailed Course Contents

Week		Weekly Detailed Course Contents
1	Theoretical	Cells that take a role in immune reactions and their functions
2	Theoretical	Cells that take a role in immune reactions and their functions
3	Theoretical	Cells that take a role in immune reactions and their functions
4	Theoretical	Cells that take a role in immune reactions and their functions
5	Theoretical	Cells that take a role in immune reactions and their functions
6	Theoretical	Cells take a role in immun reactions and their functions
7	Theoretical	Cells that take a role in immune reactions and their functions
8	Intermediate Exam	Midterm Examination
9	Theoretical	Classification of cells that take a role in immune reactions and their functions
10	Theoretical	Classification of cells that take a role in immune reactions and their functions
11	Theoretical	Classification of cells that take a role in immune reactions and their functions
12	Theoretical	Classification of cells that take a role in immune reactions and their functions
13	Theoretical	Classification of cells that take a role in immune reactions and their functions
14	Theoretical	Classification of cells that take a role in immune reactions and their functions
15	Theoretical	Discussion

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Assignment	1	0	2	2
Laboratory	14	0	0.5	7
Reading	2	0	25	50
Quiz	1	2	1	3
Midterm Examination	1	5	1	6

Final Examination	1	5	1	6
			Total Workload (Hours)	130
			[Total Workload (Hours) / 25*] = **ECTS**	5

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	1. To be able to name cells that take a role in immune reactions and their functions
2	2. To be able to explain the roles of bone marrow, thymus, bursa fabrisius, lymph nodes, and spleen
3	3. To be able to classify cells that take a role in immune reactions and their functions
4	4. To be able to use the necessary information
5	To know the mechanism of immune reaction.

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