

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Vaccines, Serums and Their Use in Proflaxy							
Course Code	MİK528		Couse Level S		use Level Second Cycle (Master's Degree)		Couse Level Second Cycle (Master's Degr	
ECTS Credit 2	Workload	50 (Hours)	Theory 2		Practice	0	Laboratory	0
Objectives of the Course	of this course	e is to give info	ormation a	bout vaccines	and serums			
Course Content Classification of vaccines; vaccines, subunit vaccines of attenuated vaccines. Ad vaccines. Techniques for p Vaccine for papillomatosis vaccine infections, contrae			biotechnolog vantages and reparing autog and its immun	ic (recoml disadvant genous an ity. The si	binant DNA) va ages of inactiva d mixed vaccir de effects of va	accines. Adv ated vaccine nes and their accines (loca	antages and disac es. Mixed (polyvala r application metho	lvantages an) ods.
Work Placement N/A								
Planned Learning Activities and Teaching Methods		Explanation	(Presenta	tion), Demonst	tration, Disc	ussion, Case Stud	у	
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	İmmunoloji
2	Veterinary Vaccines and Diagnostics, Volume 41
3	Veterinary Immunology: An Introduction, 7º Edition
4	Handbook of Vertebrate Immunology
5	Biyoteknoloji

Week	Weekly Detailed Course Contents					
1	Theoretical	Classification of vaccines				
2	Theoretical	Classification of vaccines				
3	Theoretical	Classification of vaccines				
4	Theoretical	Advantages and disadvantages of attenuated vaccines				
5	Theoretical	Advantages and disadvantages of inactivated vaccines				
6	Theoretical	Mixed (polyvalant/combined) vaccines				
7	Theoretical	Preparation techniques of autogenous vaccines				
8	Intermediate Exam	Midterm Examination				
9	Theoretical	Preparation techniques of autogenous vaccines				
10	Theoretical	Papillomatosis vaccines and its immunity				
11	Theoretical	Side effects of vaccines				
12	Theoretical	Side effects of vaccines				
13	Theoretical	Side effects of vaccines				
14	Theoretical	Side effects of vaccines				
15	Theoretical	Discussion				

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	2	2
Laboratory	14	0	0.5	7
Midterm Examination	1	5	1	6



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Final Examination	1	6	1	7	
Total Workload (Hours)				50	
[Total Workload (Hours) / 25*] = ECTS 2					
*25 hour workload is accepted as 1 ECTS					

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Leanni	ng Outcomes			
1	1. To be able to prepare vaccines and serums			
2	2. To be able to name the differences between atten	uate	and inactivated vaccines	
3	3. To be able to define biotechnological vaccines			
4	4. To be able to name the complications of vaccines			
5	5. To be able to use the necessary information			

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