

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Vaccines, Serums and Their Use in Proflaxy								
Course Code		MİK528		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0	
Objectives of	the Course	The objective	of this course	of this course is to give information about vaccines and serums.						
Course Content		Classification vaccines, subo of attenuated vaccines. Tec Vaccine for pa vaccine infect	of vaccines; a unit vaccines, vaccines. Adv hniques for pr apillomatosis a ons, contraen	ttenuated va biotechnolog antages and eparing auto and its immur dications, the	ccines, ina jic (recomb disadvanta genous an hity. The sid e use of ins	ctivated vaccir binant DNA) va ages of inactiv d mixed vaccir de effects of va sufficient immu	nes, toxoid var accines. Advar ated vaccines nes and their a accines (local unity).	ccines, synthetic ntages and disad . Mixed (polyvala application metho and systemic rea	peptide Ivantages an) ods. actions,	
Work Placement		N/A								
Planned Learning Activities a		and Teaching	Methods	Explanation	(Presentat	tion), Demonst	tration, Discus	sion, 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	Bivoteknoloji

Week	Weekly Detailed Course	se 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



Course	Infor	mation	Form
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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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Learning	Outcomes

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1	1. To be able to prepare vaccines and serums			
2	2. To be able to name the differences between atten	uated	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'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	5	5	4	5	4
P2	4	5	4	5	4
P3	5	4	5	4	5
P4	5	4	4	5	5
P5	5	5	5	4	4

