



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Immunology on Parasitology							
Course Code		VPR674		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	51 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The objective of this course, types of immunity to Parasites Infections, factors the emerging in shaping of immunity, factors affecting to immunity in parasites							
Course Content		Immunity to Parasites, Immunity against the tissue and bloodparasites, preimmunity, type and duration of immunity, resistance to age, resistance to race, sterile immunity							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	15
Final Examination	1	60
Quiz	1	10
Assignment	8	15

### Recommended or Required Reading

1	Peters, W., Pasvol, G. (2002) Tropikal Medicine and Parasitology, Mosby International Limited, China.
2	Dik, B., Sevinç, F. (2002) Veteriner Protozooloji, Selçuk Üniversitesi Veteriner Fakültesi, Konya.

Week	Weekly Detailed Course Contents	
1	Theoretical	Natural immunity
2	Theoretical	Acquired immunity
3	Theoretical	Parasite antigens
4	Theoretical	Structure of immune system
5	Theoretical	Cellular immunity
6	Theoretical	Immune system cells
7	Theoretical	Humoral immunity
8	Intermediate Exam	Midterm exam
9	Theoretical	The complement system
10	Theoretical	Cytokines, Leukotrienes, Prostaglandins
11	Theoretical	Immunity in host organism
12	Theoretical	Immunities against helminthes
13	Theoretical	Immunities against Protozoan
14	Theoretical	Immunities against Artropodes
15	Theoretical	Anaphylaxis
16	Theoretical	Final examination
17	Theoretical	Final examination

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Assignment	1	0	1	1
Quiz	2	4	0.5	9
Midterm Examination	1	5	1	6



Final Examination	1	5	2	7
Total Workload (Hours)				51
[Total Workload (Hours) / 25*] = ECTS				2
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To learn the basic principles of immunology
2	To learn the mechanism of immunology in parasitic diseases
3	To learn cellular immunology in parasitic diseases
4	To learn humoral immunology in parasitic diseases
5	To learn vaccination studies in parasitic diseases

### Programme Outcomes (Parasitology (Veterinary Medicine) Doctorate)

1	
2	
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12	

### 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	5	5
P2	5	5	5	5	5
P3	5	5	5	5	5
P4	5	5	5	5	5
P5	5	2	2	2	3
P6	3	3	3	3	5
P7	2	2	2	2	3
P8	5	5	5	5	5
P9	5	5	5	5	5
P10	5	5	5	5	5
P11	5	5	4	4	5
P12	2	2	2	2	5

