

PHYSIOLOGY OF THE LYMPHATIC SYSTEM

1	Course Title:	PHYSIOLOGY OF THE LYMPHATIC SYSTEM	
2	Course Code:	VFZ 6017	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	None	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Murat YALÇIN	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	muraty@uludag.edu.tr +90 224 294 1228 Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji Anabilim Dalı Görükle Bursa 16059	
17	Website:		
18	Objective of the Course:	This course focuses on lymphatic physiology.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Lymph
		2	Lymphatic vessels
		3	Edema
		4	Lymph nodes
		5	Lymphatic organs
		6	Lymphocytes
		7	Immunity
		8	
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Introduction to lymphatic physiology		

2	Structure of lymph			
3	Structure and function of lymphatic vessels			
4	The role of lymphatic capillaries in capillary exchange			
5	Edema			
6	Structure and function of lymphatic ducts			
7	Structure and function of lymph nodes			
8	Structure and function of spleen			
9	Structure and function of thymus			
10	Production of lymphocytes			
11	B lymphocytes			
12	T lymphocytes			
13	Natural immunity			
14	Acquired immunity			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	140.00	140.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		4	40.00	40.00
Homeworks		1	2.00	2.00
Projects		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		0	0.00	0.00
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Others		2	10.00	20.00
Quiz		0	0.00	0.00
Final Exams		1	10.00	10.00
Homeworks		1	10.00	10.00
Total Work Load				60.00
Final Exam		1	75.00	
Total work load/ 30 hr				2.00
Total				100.00
ECTS Credit of the Course				2.00
Contribution of Term (Year) Learning Activities to Success Grade		25.00		
Contribution of Final Exam to Success Grade		75.00		
Total		100.00		
Measurement and Evaluation Techniques Used in the Course				
24	ECTS / WORK LOAD TABLE			

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25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0

ÖK2	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK3	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK4	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK5	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK6	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK7	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			