

HISTOLOGY OF IMMUNE SYSTEM

1	Course Title:	HISTOLOGY OF IMMUNE SYSTEM	
2	Course Code:	VHE 6018	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
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. HATICE ERDOST	
15	Course Lecturers:	Prof. Dr. Hatice ERDOST	
16	Contact information of the Course Coordinator:	Mail:edost@ uludag.edu.tr Uludağ Ün. Veteriner Fak. Histoloji Embriyoloji Anabilim Dalı	
17	Website:	http://www.veteriner.uludag.edu.tr	
18	Objective of the Course:	To understand the normal structure and functions of immune systems cells and organ systems in the domestic animals and chicken comparatively.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Learn the terminology of the immune system cells
		2	Learns the immune system organs
		3	Define the cellular properties of lymphoid tissue in a healthy light microscopy
		4	Can distinguish different staining techniques
		5	Can identify different immun cells of tissue slides
		6	acquire knowledge to form basis for immunology.
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		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Lymphatic tissue and the immune response		
2	Organization of the immune lymphatic system		

3	Primary and secondary lymphatic organs and tissues	
4	Cells of the lymphatic system	
5	The structure of lymph nodes	
6	The function of Lymph nodes	
7	Diffuse lymphatic tissue, Gut associated Lymphoid Tissue	
8	Bronchus associated Lymphoid tissue, Conjunctiva associated Lymphoid tissue, skin associated Lymphoid tissue	
9	The structure of Tonsils	
10	Thymus, The development of the thymus,	
11	The structure of the thymus, the function of the thymus	
12	The structure of the Bursa fabricius, the function of the Bursa fabricius	
13	Spleen, splenic circulation, functions of the spleen	
14	Hemal nodes, hemolymph nodes	

22	Textbooks, References and/or Other Materials:	1-Applied Veterinary Histology, William J. Banks, 1986, USA 2-Histology and Cell Biology an Introduction to Pathology, Abraham L. Kierszenbaum, Mosby, 2002 3- Histology a Text and Atlas, Williams and Wilkins, 1995,
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Activities		Number	Duration (hour)	Total Work Load (hour)
23	Theoretical Assessment	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		14	2.00	28.00
Midterm Exam		1	10.00	10.00
Homeworks		2	10.00	20.00
Projects		0	0.00	0.00
Home work project		0	0.00	0.00
Field Studies		0	0.00	0.00
Final Exam		1	10.00	10.00
Midterm exams		1	10.00	10.00
Total		4	40.00	40.00
Others		2	3.00	6.00
Contribution of Term (Year) Learning Activities to Success Grade		1	10.00	10.00
Total Work Load				92.00
Total work load/ 30 hr				3.07
Total		100.00		
ECTS Credit of the Course				3.00
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	4	5	3	5	5	5	4	4	3	5	4	0	0	0	0	0
ÖK2	5	4	4	4	5	3	5	3	5	5	5	0	0	0	0	0
ÖK3	5	5	5	3	3	4	4	5	4	5	4	0	0	0	0	0

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