



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Lymphatic System							
Course Code		VAN638		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	4	Workload	98 ( <i>Hours</i> )	Theory	1	Practice	2	Laboratory	0
Objectives of the Course		Purpose of this course is a detailed examination and learning the structures and functions of the lymphatic system.							
Course Content		The lymphatic system consists of the following: <ul style="list-style-type: none"><li>• Fluid, known as lymph</li><li>• Vessels that transport lymph (Lymphatic circulation)</li><li>• Organs that contain lymphoid tissue (eg, lymph nodes, spleen, and thymus)</li></ul>							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	ÖCAL, M.K., ERDEN, H., ÖĞÜT, İ., KARA, M.E "Anatomy of the Domestic Animals (General-Skin-Forelimb)." Adnan Menderes University Press No: 5 (1998)
2	ÖCAL, M.K., ÖĞÜT, İ., KARA, M.E "Anatomy of the Domestic Animals (Trunk)." Adnan Menderes University Press No: 11 (1999)
3	DURSUN, N "Veterinary Anatomy I" Medisan Press (1996)

Week	Weekly Detailed Course Contents	
1	Theoretical	General information about lymph system
	Practice	To see organs of lymph system
2	Theoretical	Lymph nodules in the head
	Practice	Dissection of lymph nodes in the head
3	Theoretical	Lymph nodes in the neck
	Practice	Dissection of lymph nodes in the neck
4	Theoretical	Ductus trachealis dexter et sinister
	Practice	Dissection of ductus trachealis
5	Theoretical	Medistinal lymph nodes
	Practice	Medistinal lymph nodes
6	Theoretical	The lymph nodes of the thoracic cavity
	Practice	Dissection of lymph nodes in the thoracic cavity
7	Theoretical	Ductus thoracicus
	Practice	Dissection of ductus thoracicus
8	Intermediate Exam	midterm
9	Theoretical	Mesenterial lymph nodes
	Practice	Dissection of mesenterial lymph nodes
10	Theoretical	Lymph nodes of the abdominal cavity
	Practice	Dissection of lymph nodes in the abdominal cavity



11	Theoretical	The lymph nodes of the hind leg
	Practice	Dissection of the lymph nodes of the hind leg
12	Theoretical	The lymph nodes of the pelvic cavity
	Practice	Dissection of lymph nodes of the pelvic cavity
13	Theoretical	Lymph nodes in the abdominal wall
	Practice	Dissection of lymph nodes in the abdominal wall
14	Theoretical	Spleen
	Practice	Examination of the spleen
15	Theoretical	Thymus
	Practice	Examination of Thymus
16	Final Exam	final

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	2	0	14	28
Lecture - Practice	3	0	14	42
Midterm Examination	1	10	1	11
Final Examination	1	16	1	17
Total Workload (Hours)				98
[Total Workload (Hours) / 25*] = <b>ECTS</b>				4
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	Fluid, known as lymph
2	• Vessels that transport lymph (Lymphatic circulation)
3	Organs that contain lymphoid tissue (eg, lymph nodes, spleen, and thymus)
4	to know animal differences in lymph nodes
5	To have information about spleen and thymus

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

1	Doing research in any specific issues related to anatomy, planning a study, evaluating and presenting a report on the scientific area, independently.
2	To be able to improve themselves by innovations of the Anatomy
3	Sharing their concepts in seminar, symposium, conference etc. by using the skills of self study.
4	Having the scientific and vocational wafer and defending this apprehension in every medium
5	To be able to interpret what they have learned in the field of veterinary anatomy

### 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	5	5	4
P3	5	5	4	5	4
P4	4	5	5	5	4

