



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Lymphatic System Anatomy							
Course Code		TAN645		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	8	Workload	200 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		The aim of the course is to teach the anatomy, physiology and pathophysiology of lymphatic system and physiotherapy techniques used in the treatment of lymphedema.							
Course Content		The lymphatic system starts from the lymphatic capillaries and transfers the lymph fluid to the circulatory system through the lymph vessels, cisterna chyli, ductus thoracicus. The lymphatic system includes the lymphatic vascular network and the lymphatic organs. The lymphatic system plays an important role in maintaining fluid balance between tissues, in the immune defense system and in the spread of cancers.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Individual Study					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Anatomi. K. Arıncı, A. Elhan, 2 Cilt, Güneş Kitabevi, Ankara, 2001, ISBN 9757467286
2	Netter FH. Atlas of human anatomy (second edition). USA, Novartis, 1997: 268.
3	Temel Klinik Anatomi, 2. baskı, Keith L. Moore, Anne M. R. Agur, Alaittin Elhan Güneş Kitap Evi – Ankara, 2006.
4	Sobotta İnsan Anatomisi Atlası Cilt 1-2. 2. Türkçe baskı Prof. Dr. Kaplan Arıncı, H. Ferner ve J. Staubesand – Münih, 1985.
5	Gray's Tıp Fakültesi Öğrenci İçin Anatomi, 1. baskı, Prof. Dr. Mehmet Yıldırım, Güneş Kitap Evi – Ankara, 2007

Week	Weekly Detailed Course Contents	
1	Theoretical	Lymphatic system anatomy (head and neck, upper extremity)
2	Theoretical	Lymphatic system anatomy (trunk, genital region and lower extremity)
3	Theoretical	Lymphatic system physiology
4	Theoretical	Lymphatic system physiology
5	Theoretical	Pathophysiology of lymphatic system
6	Intermediate Exam	midterm exam
7	Theoretical	Diagnostic methods in lymphedema, lymphedema classification, lymphedema complications
8	Theoretical	upper extremity lymphatic system anatomy
9	Theoretical	upper extremity lymphatic system anatomy
10	Theoretical	anatomy of the abdominal lymphatic system
11	Theoretical	anatomy of the abdominal lymphatic system
12	Theoretical	anatomy of the pelvis lymphatic system
13	Theoretical	anatomy of the pelvis lymphatic system
14	Theoretical	lower extremity lymphatic system anatomy
15	Theoretical	lower extremity lymphatic system anatomy
16	Final Exam	final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	4	4	112
Lecture - Practice	14	2	2	56
Assignment	14	1	1	28
Midterm Examination	1	1	1	2



Final Examination	1	1	1	2
Total Workload (Hours)				200
[Total Workload (Hours) / 25*] = ECTS				8
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	Define the basic concepts and principles of the anatomy of the lymphatic system
2	Knows the anatomy, physiology and pathophysiology of lymphatic system
3	knows the anatomy of the upper limb lymphatic system
4	know the anatomy of the lower extremity lymphatic system
5	knows the anatomy of the lymphatic system of head and neck anatomy

Programme Outcomes (Anatomy (Medical) Doctorate)

1	Be able to acquire enough knowledge and use of the infrastructure about Human anatomy and clinical anatomy, terminology
2	To use information on the science of anatomy study areas.
3	Anatomy is associated with other related disciplines to comprehend and to synthesize interdisciplinary interaction
4	Obtain the information about Systematic and topographical anatomy of the human-oriented structures, functions and their relationship with each other.
5	Create problems and solutions related fields to reveal the anatomy, experimental methods to gain the ability to solve the hypothesis.
6	Literature search ability, reading scientific papers, be able to evaluation and follow-up-to-date information
7	To be able to prepare the article in the science of anatomy
8	To be able to present papers in the field of science of anatomy
9	To gain enough discipline and experience related to anatomy and to be an expert
10	To have professional ethics and responsibility

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	4	5	4	5
P2	5	4	5	4	5
P3	5	4	5	4	5
P4	5	4	5	4	5
P5	5	4	5	4	5
P6	5	4	5	4	5
P7	5	4	5	4	5
P8	5	4	5	4	5
P9	5	4	5	4	5
P10	5	4	5	4	5

