



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title	Cross-sectional Anatomy Of Thorax								
Course Code	TAN628		Course Level		Third Cycle (Doctorate Degree)				
ECTS Credit	6	Workload	150 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	Students sectional anatomy of the thorax on the knowledge, skills and behaviors are intended to win.								
Course Content	Examination of thorax sectional views obtained by imaging techniques in different plans								
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 print, Güneş Bookstore, Ankara, 2001, ISBN 9757467286
2	Netter FH. Atlas of human anatomy (second edition). USA, Novartis, 1997: 268.
3	Sobotta Human Anatomy Atlas Cilt 1-2. 2. In Turkish Prof. Dr. Kaplan Arıncı, H. Ferner ve J. Staubesand – Münih, 1985.
4	Topographical Anatomy Accessibility Dissection (Mesut R, Yıldırım M.)

Week	Weekly Detailed Course Contents & Teaching Methods	
1	Theoretical	Cross-section imaging tools, magnetic resonance imaging (MRI)
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
2	Theoretical	MRI imaging principles and image formation
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
3	Theoretical	Cross-section imaging tools, Computed tomography (CT)
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
4	Theoretical	CT imaging principles and image formation
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
5	Theoretical	X-ray, X-ray imaging principles and image formation
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
6	Theoretical	X-ray, X-ray imaging principles and image formation
	Practice	X-ray images views
	Preparation Work	Individual work
7	Theoretical	Positron emission tomography (PET) and image formation
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
8	Theoretical	Ultrasonography (USG) principles and image formation
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
9	Theoretical	Preferred of imaging methods located in various parts of the body organs and tissues according to the characteristic features
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work



10	Theoretical	Preferred of imaging methods located in various parts of the body organs and tissues according to the characteristic features
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
11	Theoretical	Preferred of imaging methods located in various parts of the body organs and tissues according to the characteristic features
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
12	Theoretical	Interpretation of thorax transversal sections obtained by various imaging methods
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
13	Theoretical	Interpretation of thorax transversal sections obtained by various imaging methods
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work
14	Theoretical	Interpretation of thorax transversal sections obtained by various imaging methods
	Practice	Image acquisition, analysis tools and supplies
	Preparation Work	Individual work

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	2	2	56
Assignment	14	1	1	28
Project	1	2	2	4
Midterm Examination	1	1	1	2
Final Examination	1	2	2	4
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To learn thorax region anatomy
2	To show principal anatomical landmarks of these regions in different surgical approaches
3	To study anatomical sections in 3 main planes for adaptation of radiological images
4	knows the structure and neighboring organs of the respiratory system
5	Knows the structure and stalemate of the pleura and the structures of the mediastinum

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	5	5
P2	5	4	5	5	5
P3	5	4	5	4	5
P4	5	4	5	4	5



P5	5	4	5	5	5
P6	5	5	4	5	5
P7	5	5	4	4	5
P8	5	5	4	4	5
P9	5	5	4	5	5
P10	5	5	4	5	5

