



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Cross-sectionalanatomyof Upper And Lower Extremity							
Course Code		TAN630		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	150 (<i>Hours</i>)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Students learn about sectional anatomy of the upper and lower extremities, is to gain skills and experience.							
Course Content		Upper and lower extremity with different imaging tools, sectional images obtained on different surfaces of the examination							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Demonstration, Discussion, Case Study, 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	Topographical Anatomy Accessibility Dissection (Mesut R, Yıldırım M.)
2	Netter' short radiological anatomy. Turkish pressure; Assoc. Dr.. Çagatay Barut. Edward C. Weber, Joel A. Wilensky, Stephen W. Carmichael. Palme publishing Ankara 1. print, 2012.
3	K. Arıncı, A. Elhan, 2 print, Güneş Bookstore, Ankara, 2001, ISBN 9757467286

Week	Weekly Detailed Course Contents	
1	Theoretical	(MRI) Cross-section imaging tools, magnetic resonance imaging (MRI)
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
2	Theoretical	MRI imaging principles and image formation
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
3	Theoretical	Cross-section imaging tools, Computed tomography (CT)
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
4	Theoretical	CT imaging principles and image formation
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
5	Theoretical	X-ray, X-ray imaging principles and image formation
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
6	Theoretical	X-ray, X-ray imaging principles and image formation
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
7	Theoretical	Positron emission tomography (PET) and image formation
	Practice	Principles of image acquisition, display and analysis tools
	Preparation Work	Individual work
8	Theoretical	Ultrasonography (USG) principles and image formation
	Practice	Principles of image acquisition, display and analysis tools
	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



9	Practice	Visual material examination
	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	Visual material examination
	Preparation Work	Individual work
11	Theoretical	Interpretation of upper and lower limb sagittal sections obtained by various imaging methods
	Practice	Visual material examination
	Preparation Work	Individual work
12	Theoretical	Interpretation of upper and lower limb transversal sections obtained by various imaging methods
	Practice	Visual material examination
	Preparation Work	Individual work
13	Theoretical	Interpretation of upper and lower limb frontal sections obtained by various imaging methods
	Practice	Visual material examination
	Preparation Work	Individual work
14	Theoretical	Collective assessment of visual materials
	Practice	Visual material examination
	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	Define the location, relation and possible lesions of the anatomical structures of the upper limb via cross-sectional anatomy techniques
2	Define the location, relation and possible lesions of the anatomical structures of the lower limb via cross-sectional anatomy techniques
3	
4	
5	

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

